



# FACR1 rabbit pAb

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-11455                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reactivity         | Human; Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applications       | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Name          | FAR1 MLSTD2 UNQ2423/PRO4981                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Protein Name       | FACR1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Immunogen          | Synthesized peptide derived from human FACR1 AA range: 135-185                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity        | This antibody detects endogenous levels of FACR1 at Human/Mouse/Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purification       | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Dilution           | WB 1: 500-2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Synonyms           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Observed Band      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cell Pathway       | Peroxisome membrane ; Single-pass membrane protein .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tissue Specificity |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Function           | catalytic activity:Fatty acyl-CoA + 2 NADPH = fatty alcohol + 2 NADP(+).,function:Catalyzes the reduction of saturated fatty acyl-CoA with chain length C16 or C18 to fatty alcohols.,similarity:Belongs to the fatty acyl-CoA reductase family.,                                                                                                                                                                                                                                                                                                                          |
| Background         | The protein encoded by this gene is required for the reduction of fatty acids to fatty alcohols, a process that is required for the synthesis of monoesters and ether lipids. NADPH is required as a cofactor in this reaction, and 16-18 carbon saturated and unsaturated fatty acids are the preferred substrate. This is a peroxisomal membrane protein, and studies suggest that the N-terminus contains a large catalytic domain located on the outside of the peroxisome, while the C-terminus is exposed to the matrix of the peroxisome. Studies indicate that the |

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regulation of this protein is dependent on plasmatogen levels. Mutations in this gene have been associated with individuals affected by severe intellectual disability, early-onset epilepsy, microcephaly, congenital cataracts, growth retardation, and spasticity (PMID: 25439727). A pseudogene of this gene is located on chromosome 13. [provided by RefSeq, Jan 2015],

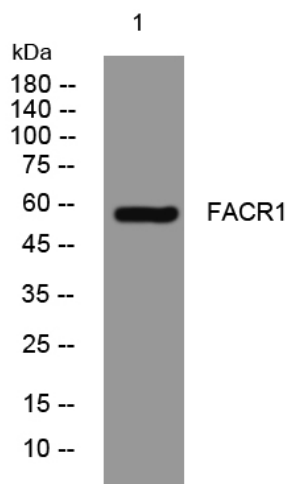
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from HeLa cells, primary antibody was diluted at 1:1000, 4° over night

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