



# RGS21 Polyclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-22289                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reactivity         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Applications       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Name          | RGS21                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Protein Name       | Regulator of G-protein signaling 21 (RGS21)                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen          | Synthesized peptide derived from human protein . at AA range: 10-90                                                                                                                                                                                                                                                                                                                                                                |
| Specificity        | RGS21 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                    |
| Formulation        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                     |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                              |
| Dilution           | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                   |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Synonyms           |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Observed Band      | 16kD                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cell Pathway       | cytoplasm,plasma membrane,                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tissue Specificity | Expressed ubiquitously.                                                                                                                                                                                                                                                                                                                                                                                                            |
| Function           | function:Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form.,similarity:Contains 1 RGS domain.,tissue specificity:Expressed ubiquitously.,                                                                                                                                                                                         |
| Background         | Regulator of G protein signaling (RGS) proteins are regulatory and structural components of G protein-coupled receptor complexes. RGS proteins are GTPase-activating proteins for Gi (see GNAI1; MIM 139310) and Gq (see GNAQ; MIM 600998) class G-alpha proteins. They accelerate transit through the cycle of GTP binding and hydrolysis and thereby accelerate signaling kinetics and termination.[supplied by OMIM, Nov 2008], |

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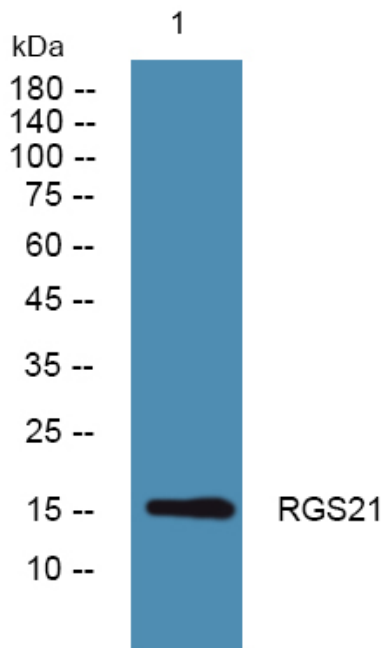
**matters needing attention**

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 HCT116 cells, primary antibody was diluted at 1:1000, 4° over night