



# BAF250b Polyclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-01562                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reactivity         | Human;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applications       | WB;IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Name          | ARID1B                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Protein Name       | AT-rich interactive domain-containing protein 1B                                                                                                                                                                                                                                                                                                                                                                                                           |
| Immunogen          | The antiserum was produced against synthesized peptide derived from human BAF250B. AA range:1371-1420                                                                                                                                                                                                                                                                                                                                                      |
| Specificity        | BAF250b Polyclonal Antibody detects endogenous levels of BAF250b protein.                                                                                                                                                                                                                                                                                                                                                                                  |
| 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 antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                      |
| Dilution           | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                               |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Synonyms           | ARID1B; BAF250B; DAN15; KIAA1235; OSA2; AT-rich interactive domain-containing protein 1B; ARID domain-containing protein 1B; BRG1-associated factor 250b; BAF250B; BRG1-binding protein hELD/OSA1; Osa homolog 2; hOsa2; p250R                                                                                                                                                                                                                             |
| Observed Band      | 170kD                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Cell Pathway       | Nucleus .                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tissue Specificity | Widely expressed with high levels in heart, skeletal muscle and kidney.                                                                                                                                                                                                                                                                                                                                                                                    |
| Function           | caution:It is uncertain whether Met-1 or Met-59 is the initiator.,function:Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Binds DNA non-specifically.,similarity:Contains 1 ARID domain.,subunit:Component of SWI/SNF chromatin remodeling complexes, in some of which it can be mutually exclusive with ARID1A/BAF250A. Component of the BAF (SWI/SNF-A) complex, |

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which includes at least actin (ACTB), ARID1A, ARID1B/BAF250, SMARCA2, SMARCA4/BRG1, ACTL6A/BAF53, ACTL6B/BAF53B, SMARCE1/BAF57, SMARCC1/BAF155, SMARCC2/BAF170, SMARCB1/SNF5/INI1, and one or more of SMARCD1/BAF60A, SMARCD2/BAF60B, or SMARCD3/BAF60C. In muscle cells, the BAF complex also contains DPF3. Component of the SWI/SNF-B (PBAF) complex, at least composed of SMARCA4/BRG1, SMARCB1/BAF47, ACTL6A/BAF53A or ACTL6B/BAF53B, SMARCE1/BAF57, SMARCD1/BAF60A,

**Background**

This locus encodes an AT-rich DNA interacting domain-containing protein. The encoded protein is a component of the SWI/SNF chromatin remodeling complex and may play a role in cell-cycle activation. The protein encoded by this locus is similar to AT-rich interactive domain-containing protein 1A. These two proteins function as alternative, mutually exclusive ARID-subunits of the SWI/SNF complex. The associated complexes play opposing roles. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Feb 2012],

**matters needing attention**

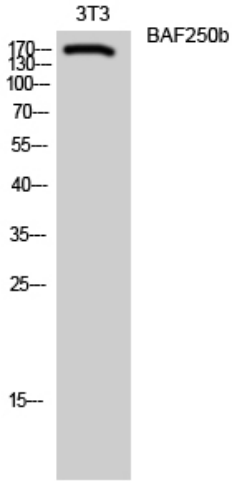
Avoid repeated freezing and thawing!

**Usage suggestions**

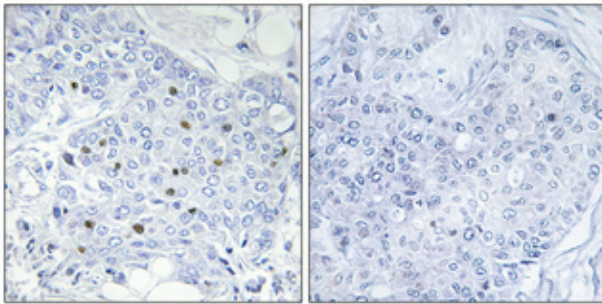
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



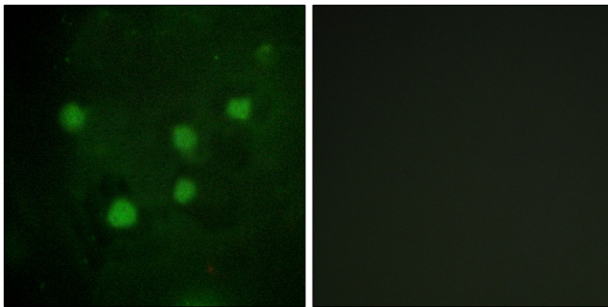
## Products Images



Western Blot analysis of 3T3 cells using BAF250b Polyclonal Antibody diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of HUVEC cells, using BAF250B Antibody. The picture on the right is blocked with the synthesized peptide.

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