



# PHAPI2 Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Catalog No</b>         | YP-Ab-04077                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Reactivity</b>         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>       | WB;ELISA;IHC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Name</b>          | ANP32B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Name</b>       | Acidic leucine-rich nuclear phosphoprotein 32 family member B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human ANP32B. AA range:1-50                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Specificity</b>        | PHAPI2 Polyclonal Antibody detects endogenous levels of PHAPI2 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Dilution</b>           | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>           | ANP32B; APRIL; PHAPI2; Acidic leucine-rich nuclear phosphoprotein 32 family member B; Acidic protein rich in leucines; Putative HLA-DR-associated protein I-2; PHAPI2; Silver-stainable protein SSP29                                                                                                                                                                                                                                                                                                                                                   |
| <b>Observed Band</b>      | 29kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Cell Pathway</b>       | [Isoform 1]: Nucleus . Cytoplasm . Accumulates in the nuclei at the S phase. . ; [Isoform 2]: Cytoplasm. Lacks a nuclear localization signal.                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Tissue Specificity</b> | Expressed in heart, lung, pancreas, prostate and in spleen, thymus and placenta.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Function</b>           | function:Multifunctional protein working as a cell cycle progression factor as well as a cell survival factor. Required for the progression from the G1 to the S phase. Anti-apoptotic protein which functions as a caspase-3 inhibitor. Has no phosphatase 2A (PP2A) inhibitor activity.,similarity:Belongs to the ANP32 family.,similarity:Contains 4 LRR (leucine-rich) repeats.,subcellular location:Accumulates in the nuclei at the S phase.,tissue specificity:Expressed in heart, lung, pancreas, prostate and in spleen, thymus and placenta., |
| <b>Background</b>         | function:Multifunctional protein working as a cell cycle progression factor as well as a cell survival factor. Required for the progression from the G1 to the S phase. Anti-apoptotic protein which functions as a caspase-3 inhibitor. Has no phosphatase 2A (PP2A) inhibitor activity.,similarity:Belongs to the ANP32 family.,similarity:Contains 4 LRR (leucine-rich) repeats.,subcellular                                                                                                                                                         |



location: Accumulates in the nuclei at the S phase., tissue specificity: Expressed in heart, lung, pancreas, prostate and in spleen, thymus and placenta.,

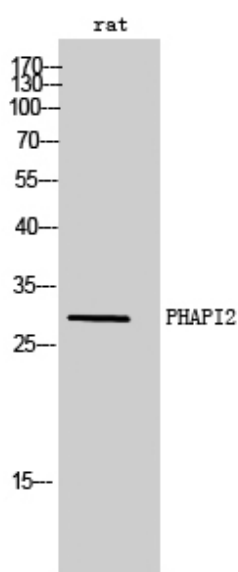
**matters needing attention**

Avoid repeated freezing and thawing!

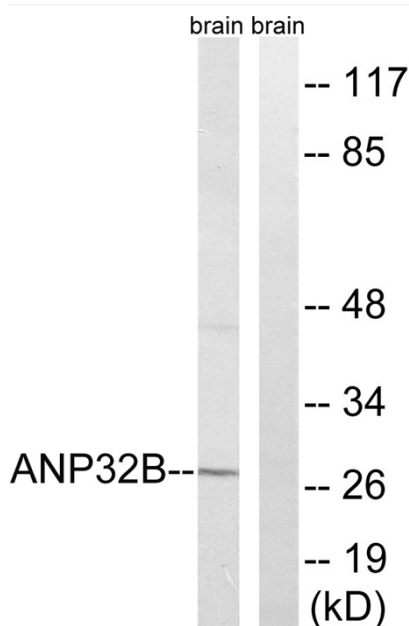
**Usage suggestions**

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

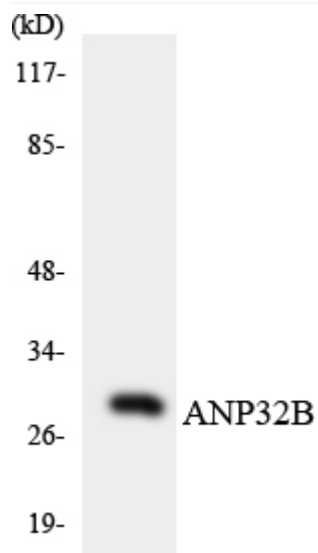
**Products Images**



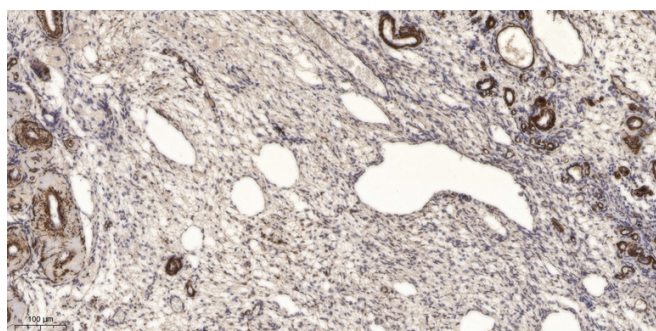
Western Blot analysis of rat cells using PHAPI2 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Western blot analysis of lysates from rat brain cells, using ANP32B Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using ANP32B antibody.



Immunohistochemical analysis of paraffin-embedded human oophoroma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).