

Product datasheet

Anti-APLP1 antibody - N-terminal ab191066

1 Image

Overview

| | |
|----------------------------|---|
| Product name | Anti-APLP1 antibody - N-terminal |
| Description | Rabbit polyclonal to APLP1 - N-terminal |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P |
| Species reactivity | Reacts with: Mouse, Rat, Human |
| Immunogen | Synthetic peptide corresponding to Human APLP1 aa 101-120 (N terminal). Sequence: ELQIARVEQATQAIPMERWC Database link: P51693  Run BLAST with  Run BLAST with |
| Positive control | Human Lung Cancer Tissue. |

Properties

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|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage buffer | Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab191066** in the following tested applications.

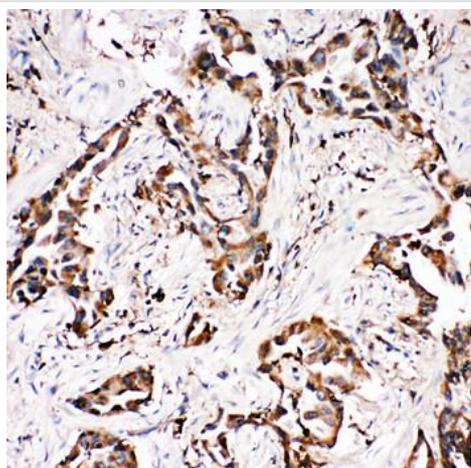
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | | Use a concentration of 0.1 - 0.5 µg/ml. Predicted molecular weight: 72 kDa. |
| IHC-P | | Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

Target

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|---|---|
| Function | <p>May play a role in postsynaptic function. The C-terminal gamma-secretase processed fragment, ALID1, activates transcription activation through APBB1 (Fe65) binding (By similarity). Couples to JIP signal transduction through C-terminal binding. May interact with cellular G-protein signaling pathways. Can regulate neurite outgrowth through binding to components of the extracellular matrix such as heparin and collagen I.</p> <p>The gamma-CTF peptide, C30, is a potent enhancer of neuronal apoptosis.</p> |
| Tissue specificity | Expressed in the cerebral cortex where it is localized to the postsynaptic density (PSD). |
| Sequence similarities | Belongs to the APP family. |
| Domain | The NPXY sequence motif found in many tyrosine-phosphorylated proteins is required for the specific binding of the PID domain. However, additional amino acids either N- or C-terminal to the NPXY motif are often required for complete interaction. The NPXY site is also involved in clathrin-mediated endocytosis. |
| Post-translational modifications | <p>Proteolytically cleaved by caspases during neuronal apoptosis. Cleaved, in vitro, at Asp-620 by caspase-3.</p> <p>N- and O-glycosylated. O-glycosylation with core 1 or possibly core 8 glycans. Glycosylation on Ser-227 is the preferred site to Thr-228.</p> |
| Cellular localization | Cell membrane and Cytoplasm. C-terminally processed in the Golgi complex. |

Images



Immunohistochemical analysis of paraffin embedded Human lung cancer tissue labelling APLP1 with ab191066 antibody at a concentration of 1 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-APLP1 antibody - N-terminal (ab191066)

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