Product datasheet

Anti-APLP1 antibody ab192481

Overview

Product name: Anti-APLP1 antibody

Description: Rabbit polyclonal to APLP1

Host species: Rabbit

Specificity: This antibody detects endogenous levels of APLP1 protein.

Tested applications: Suitable for: IHC-P, WB

Species reactivity: Reacts with: Mouse, Rat, Human

Immunogen: Recombinant full length protein corresponding to Human APLP1 aa 1-650.

Sequence:

MGPASPAARG LSRRPQGPL PLLPLLPLL
LRAQPAIGSL AGGSPGAAEA PGSAQVAGLC
GRTLHRDLR TGRWEPDPQR SRRCLRDPQR
VLEYCRQMYP ELQARVSEQ TQAPMERWC
GSSRSGBKCH PHHQVVPFRC LPGEFVSEAL
LVPEGCRFLH QERMDQCESS TRRHQAEOEA
CSSQGLIHG SGMLLPCGSD RFRGVEYVCC
PPPGTPDPSG TAVGDPSRS WPPGSRVEGA
EDEEEEEEFP QPVDDYFVEP PQAEFEETEV
PPPSSHTLAV VGTKTPTRPR TDGVDYFGM
PGEISEHEGF LRAKMDLEER RMRQINEVMR
EWAMADNQSK NLPKADROAL NEHFQSLQT
LEEQVSGERO RLVETHATRV IALINDQORR
ALEGFLAALQ ADPPQAERVL LALRRYLAER
QKEQRHTLRH YQHVAADVPE KAOQMRFQVH
THLQVEERV NQSLGLLDQN PHLAQELRPQ
IQELHSEHL GPSELEAPAP GGSSEDKGGL
QQPDSDKDTP MTLPKGVSTEQ DAASPEKEKM
NPLEQYERKV NASVPKRFPP HSSEIQRDEL
APAGTGVSRE AVSGLIMGA GGGSLVLSM
LLLRRKPYG AISHGVVEVD PMLTLEEQL
RELQRHGYEN PTYRFLEERP

Database link: P51693
**Form**
Liquid

**Storage instructions**

**Storage buffer**
Preservative: 0.1% Sodium azide
Constituents: 50% Glycerol, 49% PBS

**Purity**
Immunogen affinity purified

**Purification notes**
purity is > 95% (by SDS-PAGE).

**Clonality**
Polyclonal

**Isotype**
IgG

**Function**
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.
The gamma-CTF peptide, C30, is a potent enhancer of neuronal apoptosis.

**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**
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.

**Cellular localization**
Cell membrane and Cytoplasm. C-terminally processed in the Golgi complex.

**Properties**

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<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>WB</td>
<td></td>
<td>Use at an assay dependent concentration. Predicted molecular weight: 72 kDa.</td>
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</table>

**Applications**
Our Abpromise guarantee covers the use of ab192481 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Target**

**Images**
Anti-APLP1 antibody (ab192481) at 1/500 dilution + Mouse Brain lysate

**Predicted band size:** 72 kDa

**Observed band size:** 97 kDa

Why is the actual band size different from the predicted?

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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