

**APLP-2 rabbit pAb****Cat#: orb764554 (Manual)**

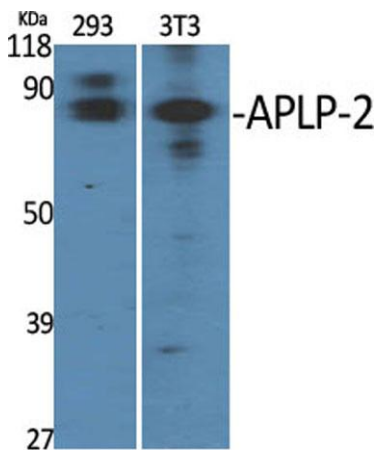
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	APLP-2 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human APLP2. AA range:241-290
<b>Specificity</b>	APLP-2 Polyclonal Antibody detects endogenous levels of APLP-2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Amyloid-like protein 2
<b>Gene Name</b>	APLP2
<b>Cellular localization</b>	Cell membrane ; Single-pass type I membrane protein . Nucleus .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

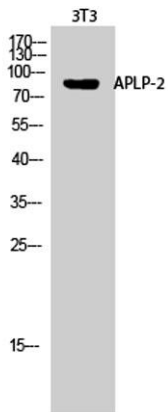
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	87kD
<b>Human Gene ID</b>	334
<b>Human Swiss-Prot Number</b>	Q06481
<b>Alternative Names</b>	APLP2; APPL2; Amyloid-like protein 2; APLP-2; APPH; Amyloid protein homolog; CDEI box-binding protein; CDEBP

**Background**

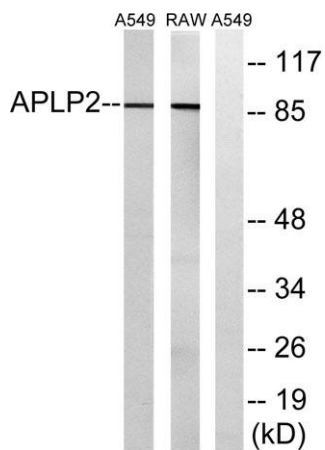
This gene encodes amyloid precursor- like protein 2 (APLP2), which is a member of the APP (amyloid precursor protein) family including APP, APLP1 and APLP2. This protein is ubiquitously expressed. It contains heparin-, copper- and zinc- binding domains at the N-terminus, BPTI/Kunitz inhibitor and E2 domains in the middle region, and transmembrane and intracellular domains at the C-terminus. This protein interacts with major histocompatibility complex (MHC) class I molecules. The synergy of this protein and the APP is required to mediate neuromuscular transmission, spatial learning and synaptic plasticity. This protein has been implicated in the pathogenesis of Alzheimer's disease. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011],



**Western Blot analysis of various cells using APLP-2 Polyclonal Antibody diluted at 1:2000 cells nucleus extracted by Minute™ Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventibiotech, MN, USA).**



Western Blot analysis of 3T3 cells using APLP-2 Polyclonal Antibody diluted at 1:2000 cells nucleus extracted by Minute™ Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventibiotec, MN, USA).



Western blot analysis of lysates from RAW264.7 and A549 cells, using APLP2 Antibody. The lane on the right is blocked with the synthesized peptide.