

APLP2 (phospho Tyr755) rabbit pAb

Cat No.: ES5795

For research use only

Overview

Product Name APLP2 (phospho Tyr755) rabbit pAb

Host species Rabbit
Applications IHC;IF;ELISA

Species Cross-Reactivity Human; Mouse; Rat

Recommended dilutions Immunohistochemistry: 1/100 - 1/300. ELISA:

1/20000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human APLP2 around the phosphorylation site of Tyr755. AA range:714-763

Specificity Phospho-APLP2 (Y755) Polyclonal Antibody detects

endogenous levels of APLP2 protein only when

phosphorylated at Y755.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Amyloid-like protein 2

Gene Name APLP2

Cellular localization Cell membrane ; Single-pass type I membrane

protein . Nucleus .

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

Observed band

Human Gene ID 334 Human Swiss-Prot Number Q06481

Alternative Names 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

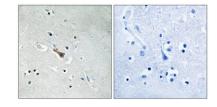
(APLP2), which is a member of the APP (amyloid precursor protein) family including APP, APLP1 and





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],

Immunohistochemistry analysis of paraffin-embedded human brain, using APLP2 (Phospho-Tyr755) Antibody. The picture on the right is blocked with the phospho peptide.



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