

Anti-Amyloid-like protein 1 APLP1 Antibody Picoband®

Catalog Number: PA2096

About APLP1

Amyloid-precursor-like protein 1 (APLP1) is a membrane-associated glycoprotein, whose gene is homologous to the APP gene, which has been shown to be involved in the pathogenesis of Alzheimer's disease. APLP1 is predominantly expressed in brain, particularly in the cerebral cortex postsynaptic density. The human gene has been mapped to chromosomal region 19q13.1. The gene is 11.8 kb long and contains 17 exons. APLP1 has been considered a candidate gene for CNF. All exon regions of the gene were amplified by the polymerase chain reaction and sequenced from DNA of CNF patients. No differences were observed between CNF patients and controls, suggesting that mutations in APLP1 are not involved in the etiology of CNF.

Overview

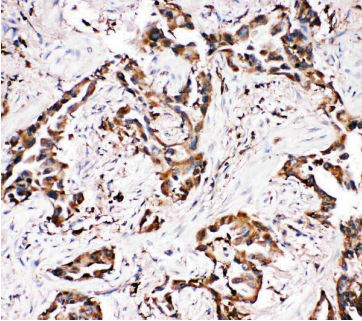
Product Name	Anti-Amyloid-like protein 1 APLP1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Amyloid-like protein 1 APLP1 Antibody catalog # PA2096. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P51693

Technical Details

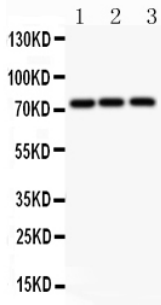
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human APLP1, different from the related mouse and rat sequences by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).

Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

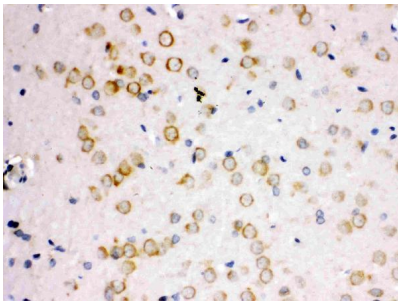
Anti-Amyloid-like protein 1 APLP1 Antibody Picoband® (PA2096) Images



Anti-APLP1 antibody, PA2096, IHC(P)IHC(P): Human Lung Cancer Tissue



Anti-APLP1 antibody, PA2096, Western blotting
All lanes: Anti APLP1 (PA2096) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: PC-12 Whole Cell Lysate at 40ug
Lane 3: HEPA Whole Cell Lysate at 40ug
Predicted bind size: 72KD
Observed bind size: 72KD



Anti-APLP1 antibody, PA2096, IHC(P)IHC(P): Rat Brain Tissue

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Anti-Amyloid-like protein 1 APLP1 Antibody

For Research Use Only. Not for use in diagnostic procedures.