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[Marker Primary Antibody]

Rabbit Anti-APLP2/HRP Conjugated antibody

Catalog Number: SL8462R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-APLP2/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human APLP2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Chicken,Pig,Horse)
Background:	background: APLP2 is a human sperm membrane protein which contains a segment with high homology to the transmembrane-cytoplasmic domains of APP found in brain plaques of Alzheimer disease patients. The human amyloid precursor-like protein APLP2 is a highly conserved homolog of a sequence-specific DNA-binding mouse protein with an important function in the cell cycle. The gene which encodes APLP2 maps to human chromosome 11q24. May play a role in the regulation of hemostasis. The soluble form may have inhibitory properties towards coagulation factors. May interact with cellular G-protein signaling pathways. May bind to the DNA 5'-GTCACATG-3'(CDEI box). Inhibits trypsin, chymotrypsin, plasmin, factor XIA and plasma and glandular kallikrein. **Function:** May play a role in the regulation of hemostasis. The soluble form may have inhibitory properties towards coagulation factors. May interact with

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	cellular G-protein signaling pathways. May bind to the DNA 5'-GTCACATG-3'(CDEI box). Inhibits trypsin, chymotrypsin, plasmin, factor XIA and plasma and glandular kallikrein. **Subunit:** Interacts with CPEB1. **Subcellular Location:** Cell membrane. Nucleus. **Tissue Specificity:** Expressed in placenta, brain, heart, lung, liver, kidney and endothelial tissues. **Post-translational modifications:** The BPTI/Kunitz inhibitor domain is O-glycosylated. **Similarity:** Belongs to the APP family. Contains 1 BPTI/Kunitz inhibitor domain. **Database links:** **Entrez Gene:** 334 Human **Entrez Gene:** 11804 Mouse **Entrez Gene:** 64312 Rat Omim: 104776 Human **SwissProt:** Q06481 Human **SwissProt:** Q06335 Mouse **SwissProt:** P15943 Rat **Unigene:** 370247 Human **Unigene:** 19133 Mouse **Unigene:** 129285 Rat **Unigene:** 1423 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.