10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

APBB3 Rabbit pAb

Catalog # AP97311

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O95704
Other Accession	O95704
Reactivity	Rat, Mouse
Predicted	Human, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52585
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human APBB3
Epitope Specificity	401-486/486
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 2 PID domains. Contains 1 WW domain.
SUBUNIT	Binds to the intracellular domain of the beta-amyloid precursor protein. Also binds to APP-like proteins.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Fe65L2 is a 486 amino acid protein that contains one WW domain and two PID domains. Binding to the intracellular domain of the ∫-Amyloid precursor protein, Fe65L2 is thought to modulate the internalization and, therefore, the accessibility and function of ∫-Amyloid. Via its ability to control the intracellular accumulation of ∫-Amyloid, Fe65L2 is thought to play a role in the pathogenesis of Alzheimer's disease. Fe65L2 exists as four alternatively spliced isoforms designated isoform I, isoform II, isoform III and isoform IV. Fe65L2 interacts with Amyloid-like protein and is encoded by a gene located on human chromosome 5, which contains 181 million base pairs and comprises nearly 6% of the human genome. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome, while deletion of the q arm or of chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

Additional Information

Gene ID	10307
Other Names	FE65L2; SRA; Rirl2; TR2S; APBB3_HUMAN; APBB3; Protein Fe65-like 2 (Fe65L2); APBB3_MOUSE; APBB3_RAT; amyloid beta precursor protein binding family B member 3; amyloid beta (A4) precursor protein-binding, family B, member 3
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	APBB3 (HGNC:20708)
Function	May modulate the internalization of amyloid-beta precursor protein.
Cellular Location	Cytoplasm. Nucleus [Isoform I-245]: Nucleus.
Tissue Location	Expressed in various tissues, highest expression in brain.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.