

Plexin A2 Rabbit pAb

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Catalog # AP58082

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O75051
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	211104
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Plexin A2
Epitope Specificity	1251-1400/1894
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Single-pass type I membrane protein (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Plexin A2 is a coreceptor for SEMA3A and is necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. This coreceptor plays a role in axon guidance, invasive growth and cell migration. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin in which the plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm.

Additional Information

Gene ID	5362
Other Names	Plexin-A2, Semaphorin receptor OCT, PLXNA2, KIAA0463, OCT, PLXN2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,ELISA=1:5000-10000
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	PLXNA2
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Synonyms	KIAA0463, OCT, PLXN2
Function	Coreceptor for SEMA3A and SEMA6A. Necessary for signaling by SEMA6A and class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Detected in fetal brain.

Background

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