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Plexin D1 Rabbit pAb

Catalog # AP98092

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9Y4D7
Other Accession	Q9Y4D7
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	212007
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Plexin D1
Epitope Specificity	251-350/1925
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the plexin family. Contains 3 IPT/TIG domains. Contains 1 Sema domain.
SUBUNIT	Interacts with NRP1, SEMA4A, SEMA3A, SEMA3C and SEMA3E.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	23129
Other Names	CHTD9; PLEXD1; 6230425C21Rik; b2b1863Clo; b2b553Clo; PLXD1_HUMAN; PLXND1; KIAA0620; PLXD1_MOUSE; Q68HV1_MOUSE; Q8VCL8_MOUSE; Q9CZF2_MOUSE; plexin D1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,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	PLXND1
Synonyms	KIAA0620
Function	Cell surface receptor for SEMA4A and for class 3 semaphorins, such as SEMA3A, SEMA3C and SEMA3E. Plays an important role in cell-cell signaling,

	and in regulating the migration of a wide spectrum of cell types. Regulates the migration of thymocytes in the medulla. Regulates endothelial cell migration. Plays an important role in ensuring the specificity of synapse formation. Required for normal development of the heart and vasculature (By similarity). Mediates anti-angiogenic signaling in response to SEMA3E.
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q3UH93}; Single-pass membrane protein {ECO:0000250|UniProtKB:Q3UH93}. Cell projection, lamellipodium membrane
Tissue Location	Detected at low levels in heart, placenta, lung, skeletal muscle, kidney, thymus and liver. Detected at very low levels in brain, colon, spleen, small intestine and peripheral blood leukocytes.

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