

PLXNC1/CD232 Rabbit pAb

Catalog # AP97477

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O60486
Other Accession	O60486
Predicted	Rat, Pig, Human, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	175742
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PLXNC1/CD232
Epitope Specificity	681-780/1568
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 1 Sema domain.
Post-translational modifications	N-glycosylated.

Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the plexin family. Plexins are transmembrane receptors for semaphorins, a large family of proteins that regulate axon guidance, cell motility and migration, and the immune response. The encoded protein and its ligand regulate melanocyte adhesion, and viral semaphorins may modulate the immune response by binding to this receptor. The encoded protein may be a tumor suppressor protein for melanoma. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jan 2011]

Additional Information

Gene ID	10154
Other Names	CD232; PLXN-C1; VESPR; 2510048K12Rik; PLXC1_HUMAN; PLXNC1; Virus-encoded semaphorin protein receptor; PLXC1_MOUSE; plexin C1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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	PLXNC1
Synonyms	VESPR
Function	Receptor for SEMA7A, for smallpox semaphorin A39R, vaccinia virus semaphorin A39R and for herpesvirus Sema protein. Binding of semaphorins triggers cellular responses leading to the rearrangement of the cytoskeleton and to secretion of IL6 and IL8 (By similarity).
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Detected in heart, brain, lung, spleen and placenta.

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