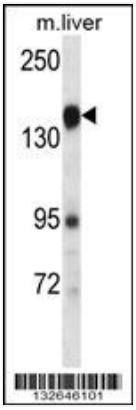
PLXNC1 Antibody – Rabbit Polyclonal

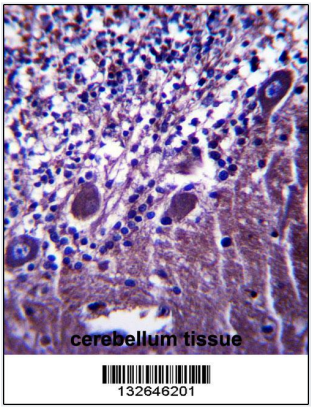
PRODUCT OVERVIEW

Product Name	PLXNC1, Polyclonal Antibody
Full Product Name	PLXNC1 Antibody (C-term)
Product Gene Name	anti-PLXNC1 antibody
Product Synonym Names	Plexin-C1; Virus-encoded semaphorin protein receptor; CD232; PLXNC1; VESPR
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.33 (lot specific)
Specificity	This PLXNC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1025-1054 amino acids from the C-terminal region of human PLXNC1.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	PLXNC1 peptide (MBS9220021) is used for blocking the activity of PLXNC1 antibody (MBS9209219)
Molecular Weight	175742
Immunogen Sequence Positions	1025-1054
OMIM	604259
3D Structure	ModBase 3D Structure for O60486
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-PLXNC1 antibody	Cancer
Applications Tested/Suitable for anti-PLXNC1 antibody	Western Blot (WB), ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-PLXNC1 antibody	WB~~1:1000
Related Product Information for anti-PLXNC1 antibody	PLXNC1 is a receptor for vaccinia virus semaphorin A39R and for herpesvirus Sema protein. Binding of viral semaphorins triggers cellular responses leading to the rearrangement of the cytoskeleton and to secretion of IL6 and IL8 (By similarity).
Product References and Citations for anti-PLXNC1 antibody	Liu, H., et al. Cell 142(5):749-761(2010) Lazova, R., et al. Am J Dermatopathol 31(2):177-181(2009) Scott, G.A., et al. J. Invest. Dermatol. 129(4):954-963(2009) Scott, G.A., et al. J. Invest. Dermatol. 128(1):151-161(2008) Li, Y., et al. PLoS ONE 3 (7), E2707 (2008) :

Other Notes	Small volumes of anti-PLXNC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PLXNC1 purchase	MBS9209219 is an antibody targeting PLXNC1. Also known as PLXNC1 Antibody (C-term). Reactive in Mouse. Host: Rabbit.



Western Blot (WB) of anti-PLXNC1 antibody
PLXNC1 Antibody (C-term) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the PLXNC1 antibody detected the PLXNC1 protein (arrow).



Immunohistochemistry (IHC) of anti-PLXNC1 antibody
PLXNC1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PLXNC1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLXNC1. It may not necessarily be applicable to this product.

NCBI GI #	5032223
NCBI GeneID	10154
NCBI Accession #	NP_005752.1
UniProt Primary Accession #	O60486
UniProt Secondary Accession #	Q59H25
UniProt Related Accession #	O60486
GenBank Nucleotide #	NM_005761.2
NCBI Official Full Name	plexin-C1
NCBI Official Synonym Full Names	plexin C1
NCBI Official Symbol	PLXNC1
NCBI Official Synonym Symbols	CD232; VESPR; PLXN-C1
UniProt Protein Name	Plexin-C1
UniProt Synonym Protein Names	Virus-encoded semaphorin protein receptor; CD_antigen: CD232
Protein Family	Plexin
UniProt Gene Name	PLXNC1
UniProt Synonym Gene Names	VESPR
UniProt Entry Name	PLXC1_HUMAN
NCBI Protein Information	plexin-C1

NCBI Summary for PLXNC1	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]
UniProt Comments for PLXNC1	PLXNC1: 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. Belongs to the plexin family. Protein type: Motility/polarity/chemotaxis; Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 12q23.3 Cellular Component: membrane; plasma membrane; integral to membrane; intracellular Molecular Function: protein binding; receptor activity; receptor binding Biological Process: axon guidance; signal transduction; cell adhesion
Research Articles on PLXNC1	**1.** loss of Plexin C1 in melanoma may promote early steps in melanoma progression through suppression of migration and proliferation
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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