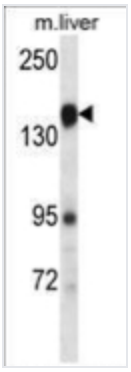
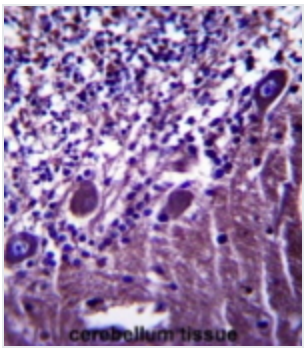
PLXNC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PLXNC1, Polyclonal Antibody
Full Product Name	PLXNC1, CT (PLXNC1, VESPR, Plexin-C1, Virus-encoded semaphorin protein receptor, CD232) (MaxLight 490)
Product Gene Name	anti-PLXNC1 antibody
Product Synonym Names	PLXNC1; VESPR; Plexin-C1; Virus-encoded semaphorin protein receptor; CD232
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human PLXNC1. Species Crossreactivity: mouse
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	175,742 Da
3D Structure	ModBase 3D Structure for O60486
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 1025-1054 in the C-terminal region of human PLXNC1.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-PLXNC1 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-PLXNC1 antibody	Immunohistochemistry (IHC) Paraffin, FLISA, Western Blot (WB)
Application Notes for anti-PLXNC1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PLXNC1 antibody	MBS6335131 is an antibody targeting PLXNC1. Also known as PLXNC1, CT (PLXNC1, VESPR, Plexin-C1, Virus-encoded semaphorin protein receptor, CD232) (MaxLight 490). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-PLXNC1 antibody	1. Liu, H., et al. Cell 142(5):749-761(2010). 2. Lazova, R., et al. Am J Dermatopathol 31(2):177-181(2009). 3. Scott, G.A., et al. J. Invest. Dermatol. 129(4):954-963(2009). 4. Scott, G.A., et al. J. Invest. Dermatol. 128(1):151-161(2008). 5. 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.



Western Blot (WB) of anti-PLXNC1 antibody
Western Blot analysis in mouse liver tissue lysates (35ug/lane) usingMBS6006313. This demonstrates that MBS6006313 detected PLXNC1 (arrow).



Immunohistochemistry (IHC) of anti-PLXNC1 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue using MBS6006313 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6006313 for immunohistochemistry.

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
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	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 ().
Research Articles on PLXNC1	**1.** Plexin C1 deficiency permits synaptotagmin 7-mediated macrophage migration and enhances mammalian lung fibrosis

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