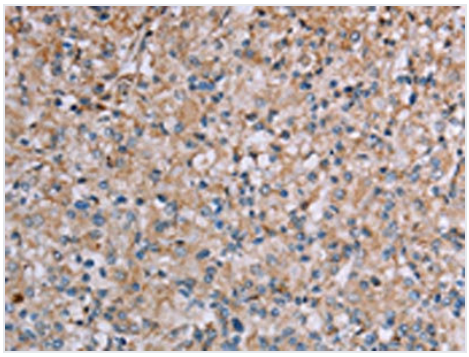
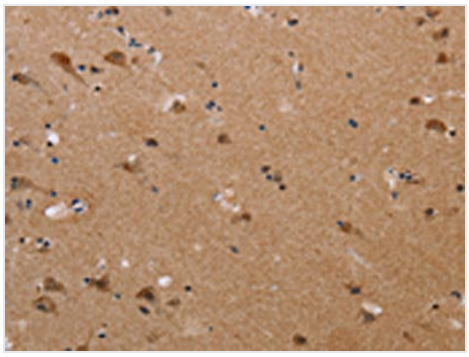
PLXNA4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PLXNA4, Polyclonal Antibody
Full Product Name	PLXNA4 Antibody
Product Gene Name	anti-PLXNA4 antibody
Product Synonym Names	plexin A4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	55,034 Da
3D Structure	ModBase 3D Structure for Q9HCM2
Immunogen	Synthetic peptide of human PLXNA4
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-PLXNA4 antibody	Neuroscience
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PLXNA4 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-PLXNA4 antibody	ELISA: 1:2000-1:5000 IHC: 1:50-1:200
Related Product Information for anti-PLXNA4 antibody	MBS7129530 is an antibody targeting PLXNA4. Also known as PLXNA4 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-PLXNA4 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.



Immunohistochemistry (IHC)-Paraffin of anti-PLXNA4 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using MBS7129530(PLXNA4 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-PLXNA4 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using MBS7129530(PLXNA4 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLXNA4. It may not necessarily be applicable to this product.

NCBI GI #	157738647
NCBI GeneID	91584
NCBI Accession #	NP_001099013.1
UniProt Primary Accession #	Q9HCM2
UniProt Secondary Accession #	Q6UWC6; Q6ZW89; Q8N969; Q8ND00; Q8NEN3; Q9NTD4; A4D1N6; E9PAM2
UniProt Related Accession #	Q9HCM2
GenBank Nucleotide #	NM_001105543.1
NCBI Official Full Name	plexin-A4 isoform 3
NCBI Official Synonym Full Names	plexin A4
NCBI Official Symbol	PLXNA4
NCBI Official Synonym Symbols	PLEXA4; PLXNA4A; PLXNA4B; FAYV2820; PRO34003
UniProt Protein Name	Plexin-A4
Protein Family	Plexin
UniProt Gene Name	PLXNA4
UniProt Synonym Gene Names	KIAA1550; PLXNA4A; PLXNA4B
NCBI Protein Information	plexin-A4
UniProt Comments for PLXNA4	Coreceptor for SEMA3A. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance in the developing nervous system. 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 ().
Research Articles on PLXNA4	**1.** Both CLU and PLXNA4 have been genetically associated with Alzheimer disease (AD) risk and our data thus provide a direct relationship between two AD risk genes. Our data suggest that increasing the levels of PLXNA4 or targeting CLU-PLXNA4 interactions may have therapeutic value in AD.
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.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/plxna4/7129530