

Rabbit PLXNA2 Polyclonal Antibody | anti-PLXNA2 antibody

PLXNA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328101	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PLXNA2; Polyclonal Antibody; PLXNA2 Antibody; Plexin-A2; PlexinA2; PLXA2; PLXA2_HUMAN; Semaphorin receptor OCT; anti-PLXNA2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PLXNA2 antibody detects endogenous levels of total PLXNA2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1894
Applicable Applications for anti-PLXNA2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLXNA2
Subcellular Location	Membrane.
Tissue Specificity	Detected in fetal brain.
Predicted Cross Reactivity	Pig, Zebrafish, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Zebrafish (82%), Sheep (92%), Rabbit (100%), Dog (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of PLXNA2 using Jurkat whole cell lysates



IHC (Immunohistochemistry)

AAA328101 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PLXNA2 antibody	Function: Coreceptor for SEMA3A and SEMA6A. Necessary for signaling by SEMA6A and class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. 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 (By similarity). Subunit Structure: Homodimer. The PLXNA2 homodimer interacts with a SEMA6A homodimer, giving rise to a heterotetramer. Interacts directly with NRP1 and NRP2 (By similarity). Interacts with RND1. Similarity: Belongs to the plexin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	113722116
NCBI GeneID	5362
NCBI Accession #	NP_079455.3
NCBI GenBank Nucleotide #	NM_025179.3
UniProt Accession #	O75051; Q6UX61; Q96GN9; Q9BRL1; Q9UIW1; A2RTX9; B2RMX7
Molecular Weight	Observed: 211 kDa Predicted: 212 kDa
NCBI Official Full Name	plexin-A2
NCBI Official Synonym Full Names	plexin A2
NCBI Official Symbol	PLXNA2
NCBI Official Synonym Symbols	OCT; PLXN2
NCBI Protein Information	plexin-A2
UniProt Protein Name	Plexin-A2
UniProt Gene Name	PLXNA2
UniProt Synonym Gene Names	KIAA0463; OCT; PLXN2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/plxna2-antibody-immunohistochemistry-western-blot-elisa/328101>