

Rabbit Plexin A4 Polyclonal Antibody | anti-PLXNA4 antibody

Plexin A4 Antibody

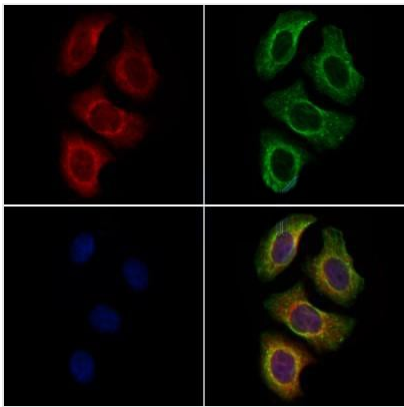
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329019	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(83%), Bovine(100%), Sheep(100%), Rabbit(100%), Dog(100%)	ELISA

PRODUCT SYNONYMS

Plexin A4; Polyclonal Antibody; Plexin A4 Antibody; FAYV2820; KIAA1550; PLEXA4; Plexin-A4; PlexinA4; PLXA4_HUMAN; plxna4; PLXNA4A; PLXNA4B; PRO34003; UNQ2820/PRO34003; anti-PLXNA4 antibody

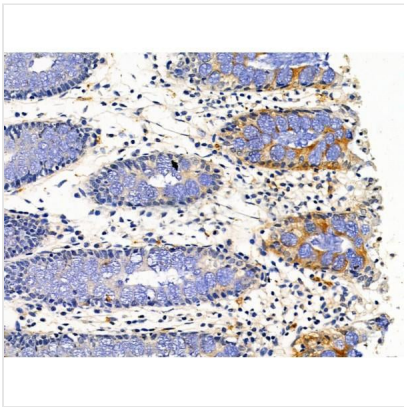
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(83%), Bovine(100%), Sheep(100%), Rabbit(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Plexin A4 Antibody detects endogenous levels of total Plexin A4.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	492
Applicable Applications for anti-PLXNA4 antibody	ELISA
Immunogen	A synthesized peptide derived from human Plexin A4, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



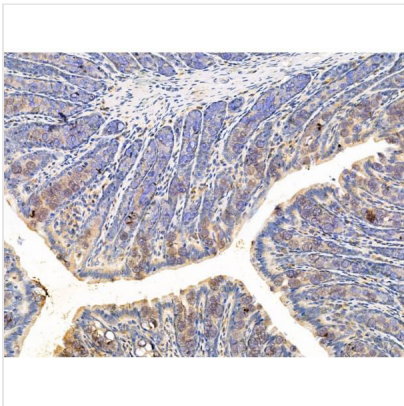
IF (Immunofluorescence)

AAA329019 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329019 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



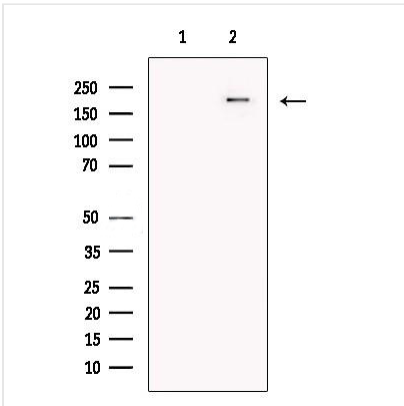
IHC (Immunohistochemistry)

AAA329019 at 1/100 staining Human colorectal cancer and adjacent normal tissues 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 primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA329019 at 1/100 staining Rat colorectal 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 primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Mouse brain, using Plexin A4 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PLXNA4 antibody	Function: 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 (By similarity).
	Subcellular Location: Cell membrane>Single-pass type I membrane protein.
	Subunit Structure: Interacts with NRP1 and NRP2.
	Similarity: Belongs to the plexin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157738647
NCBI GeneID	91584

NCBI Accession #	NP_001099013.1
NCBI GenBank Nucleotide #	NP_001099013.1
UniProt Accession #	Q9HCM2
Molecular Weight	Observed Molecular Weight: (Observed)212kD. Predicted Molecular Weight: (Calculated)212kDa.
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
NCBI Protein Information	plexin-A4
UniProt Protein Name	Plexin-A4
UniProt Gene Name	PLXNA4
UniProt Synonym Gene Names	KIAA1550; PLXNA4A; PLXNA4B

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/plexin-a4-antibody-elisa/329019>