

Rabbit Anti-Plexin A4 antibody

SL11936R

Product Name Plexin A4

Chinese Name 神经丛蛋白 A4 抗体

Alias FAYV2820; KIAA1550; PLEXA4; Plexin-A4; PlexinA4; PLXA4_HUMAN; PLXNA4; PLXNA4B; PRO34003; UNQ2820/PRO34003.

Research Area Developmental biology Neurobiology

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Human, Mouse, Rat, Chicken, Dog, Cow, Horse, Sheep,)
WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA

Applications (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 210kDa

Cellular localization The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human Plexin A4: 401-500/1894 <Extracellular

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Product Forms a receptor complex with neuropilin-1 and can propagate semaphorin-3A elicited inhibitor

Detail

cells and neurons.

Function:

Coreceptor for SEMA3A. Necessary for signaling by class 3 semaphorins and subsequent remodeling of cytoskeleton. Plays a role in axon guidance in the developing nervous system. Class 3 semaphorin receptor complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling in the cytoplasm.

Subunit:

Interacts with NRP1 and NRP2

Subcellular Location:

Cell membrane; Single-pass type I membrane protein

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Belongs to the plexin family.
Contains 4 IPT/TIG domains.
Contains 3 PSI domains.
Contains 1 Sema domain.

SWISS:

Q9HCM2

Gene ID:

91584

Database links:

[Entrez Gene: 91584](#) Human

[Entrez Gene: 243743](#) Mouse

[Entrez Gene: 312213](#) Rat

[Omim: 604280](#) Human

[SwissProt: Q9HCM2](#) Human

[SwissProt: Q80UG2](#) Mouse

[Unigene: 511454](#) Human

[Unigene: 444029](#) Mouse



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