



## Rabbit Anti-Plexin A4 antibody

SL11936R

|                               |   |
|-------------------------------|---|
| <b>Product Name:</b>          | Plexin A4   |
| <b>Chinese Name:</b>          | 神经丛蛋白A4抗体   |
| <b>Alias:</b>                 | FAYV2820; KIAA1550; PLEXA4; Plexin-A4; PlexinA4; PLXA4_HUMAN; PLXNA4; PLXNA4A; PLXNA4B; PRO34003; UNQ2820/PRO34003.   |
| <b>Organism Species:</b>      | Rabbit  |
| <b>Clonality:</b>             | Polyclonal  |
| <b>React Species:</b>         | Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Sheep,  |
| <b>Applications:</b>          | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.   |
| <b>Molecular weight:</b>      | 210kDa  |
| <b>Cellular localization:</b> | The cell membrane   |
| <b>Form:</b>                  | Lyophilized or Liquid   |
| <b>Concentration:</b>         | 1mg/ml  |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human Plexin A4:401-500/1894<Extracellular>   |
| <b>Lsotype:</b>               | IgG   |
| <b>Purification:</b>          | affinity purified by Protein A  |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.  |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| <b>PubMed:</b>                | <a href="#">PubMed</a>  |
| <b>Product Detail:</b>        | Forms a receptor complex with neuropilin-1 and can propagate semaphorin-3A elicited inhibitory signals into cells and neurons.<br><b>Function:</b><br>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

**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

[Olim: 604280](#)Human

[SwissProt: Q9HCM2](#)Human

[SwissProt: Q80UG2](#)Mouse

[Unigene: 511454](#)Human

[Unigene: 444029](#)Mouse

**Important Note:**

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

