10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-Plexin A1 Monoclonal Antibody
Catalog # ABO14686

Specification

Anti-Plexin A1 Monoclonal Antibody - Product Information

Application	**WB, IF, ICC, FC**
Primary Accession	Q9UIW2
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-Plexin A1 Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-Plexin A1 Monoclonal Antibody - Additional Information

Gene ID 5361

Other Names
Plexin-A1, Semaphorin receptor NOV, PLXNA1 (HGNC:9099), NOV, PLXN1

Application Details
WB 1:500-1:2000
ICC/IF 1:50-1:200
FC 1:50

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human Plexin A1 Plays a role in axon guidance, invasive growth and cell migration.

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-Plexin A1 Monoclonal Antibody - Protein Information

Name PLXNA1 (HGNC:9099)

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Synonyms NOV, PLXN1

Function
Coreceptor for SEMA3A, SEMA3C, SEMA3F and SEMA6D. Necessary for signaling by 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. Acts as coreceptor of TREM2 for SEMA6D in dendritic cells and is involved in the generation of immune responses and skeletal homeostasis.

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:P70206}; Single-pass type I membrane protein

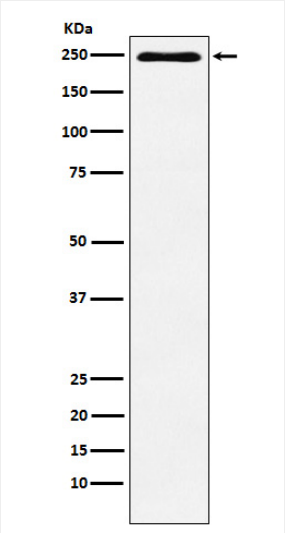
Tissue Location
Detected in fetal brain, lung, liver and kidney.

Anti-Plexin A1 Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Plexin A1 Monoclonal Antibody - Images



Western blot analysis of Plexin A1 expression in HUVEC cell lysate.