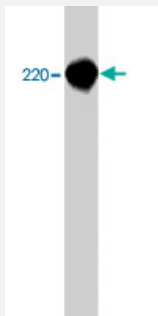


PLXNA1 polyclonal antibody

Catalog # PAB7879

Size 100 uL

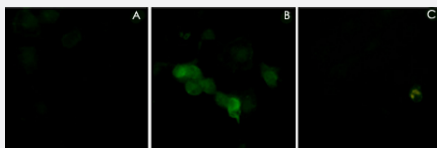
Applications



Western Blot (Tissue lysate)

Western blots showing neonatal rat brain. The blot was probed with either the affinity purified PLXNA1 polyclonal antibody (Cat # PAB7879).

Immunofluorescence



Immunocytochemical labeling using PLXNA1 polyclonal antibody (Cat # PAB7879) in COS-7 cells mock transfected (A) or transfected with Myc-tagged mouse PLXNA1 construct (B). The specificity of the binding in (B) was demonstrated by using PLXNA1 peptide in the presence of PLXNA1 polyclonal antibody (Cat # PAB7879) (C).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PLXNA1.
Immunogen	A synthetic peptide corresponding to N-terminus half of semaphorin domain in human PLXNA1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This sequence is highly conserved in rat and mouse Plexin-A1, and has low homology to other Plexin family members.
Form	Liquid

Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000) Immunocytochemistry (1:100) Immunoprecipitation (5-10 ul) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1 mg/mL BSA, 0.05% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blots showing neonatal rat brain. The blot was probed with either the affinity purified PLXNA1 polyclonal antibody (Cat # PAB7879).

- Immunocytochemistry

- Immunofluorescence

Immunocytochemical labeling using PLXNA1 polyclonal antibody (Cat # PAB7879) in COS-7 cells mock transfected (A) or transfected with Myc-tagged mouse PLXNA1 construct (B). The specificity of the binding in (B) was demonstrated by using PLXNA1 peptide in the presence of PLXNA1 polyclonal antibody (Cat # PAB7879) (C).

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PLXNA1

Entrez GeneID	5361
Gene Name	PLXNA1
Gene Alias	NOV, NOV, P, PLEXIN-A1, PLXN1
Gene Description	plexin A1
Omim ID	601055

Gene Ontology

[Hyperlink](#)

Other Designations

plexin 1

Publication Reference

- [Cellular stress conditions are reflected in the protein and RNA content of endothelial cell-derived exosomes.](#)

de Jong OG, Verhaar MC, Chen Y, Vader P, Gremmels H, Posthuma G, Schiffelers RM, Gucek M, van Balkom BW.
Journal of Extracellular Vesicles 2012 Apr; 1.

Application: WB-Ce, Human, HMEC-1 cells

- [The effect of cauda equina constriction on nitric oxide synthase activity.](#)

Lukacova N, Kafka J, Cizkova D, Marsala M, Marsala J.
Neurochemical Research 2004 Feb; 29(2):429.

- [Plexins are a large family of receptors for transmembrane, secreted, and GPI-anchored semaphorins in vertebrates.](#)

Tamagnone L, Artigiani S, Chen H, He Z, Ming GI, Song H, Chedotal A, Winberg ML, Goodman CS, Poo M, Tessier-Lavigne M, Comoglio PM.
Cell 1999 Oct; 99(1):71.

Pathway

- [Axon guidance](#)

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)