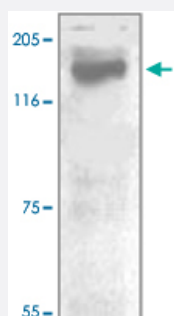


NRP1 polyclonal antibody

Catalog # PAB12718 Size 100 ug

Applications



Immunoprecipitation

The 4 mg protein of whole tissue lysates derived from human brain were immunoprecipitated by 4 ug of NRP1 polyclonal antibody (Cat # PAB12718) o/n at 4°C, and probed by the same antibody at 1 : 1000. An immunoreactive band at ~130kDa was observed.

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of NRP1.

Immunogen A synthetic peptide corresponding to C-terminus of human NRP1.

Host Rabbit

Theoretical MW (kDa) 130

Reactivity Bovine, Human

Specificity This antibody recognizes ~130 KDa of human NRP1.

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 Western Blot (0.1-1 ug/mL)
 ELISA (0.01-0.1 ug/mL)
 Immunoprecipitation (2-5 ug/mL)
 Immunohistochemistry (1:200)
 The optimal working dilution should be determined by the end user.

Storage Buffer In TBS, pH 7.2 (BSA, 10% Proclin300)

Storage Instruction

Store at 4°C. For long term storage store at -20°C or lower.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

The 4 mg protein of whole tissue lysates derived from human brain were immunoprecipitated by 4 ug of NRP1 polyclonal antibody (Cat # PAB12718) o/n at 4°C, and probed by the same antibody at 1 : 1000. An immunoreactive band at ~130kDa was observed.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NRP1

Entrez GeneID	8829
Gene Name	NRP1
Gene Alias	BDCA4, CD304, DKFZp686A03134, DKFZp781F1414, NP1, NRP, VEGF165R
Gene Description	neuropilin 1
Omim ID	602069
Gene Ontology	Hyperlink
Gene Summary	NRP1 is a membrane-bound coreceptor to a tyrosine kinase receptor for both vascular endothelial growth factor (VEGF; MIM 192240) and semaphorin (see SEMA3A; MIM 603961) family members. NRP1 plays versatile roles in angiogenesis, axon guidance, cell survival, migration, and invasion.[supplied by OMIM]
Other Designations	OTTHUMP00000020818 OTTHUMP00000020820 OTTHUMP00000020821 neuropilin-1 transmembrane receptor

Publication Reference

- [Neuropilin-1 is a receptor for transforming growth factor beta-1, activates its latent form, and promotes regulatory T cell activity.](#)

Glinka Y, Prud'homme GJ.

Journal of Leukocyte Biology 2008 Apr; 84(1):302.

- [Molecular pathways regulating pro-migratory effects of Hedgehog signaling.](#)

Hochman E, Castiel A, Jacob-Hirsch J, Amariglio N, Izraeli S.

The Journal of Biological Chemistry 2006 Nov; 281(45):33860.

Application: WB, Mouse, C166 cells

Pathway

- [Axon guidance](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)
- [Anoxia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Diabetes Mellitus](#)
- [Dominance](#)
- [Esophageal Neoplasms](#)
- [Femur Head Necrosis](#)
- [Genetic Predisposition to Disease](#)
- [Hot Flashes](#)
- [Kidney Failure](#)
- [Lymphatic Metastasis](#)

- [Mental Disorders](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neovascularization](#)
- [Osteonecrosis](#)
- [Schizophrenia](#)
- [Varicose Ulcer](#)