For research purposes only, not for human use

Product Data Sheet

Anti-Neuropilin 1 Antibody

Catalog #	Source	Reactivity	Applications
CPA2327	Rabbit	H, M, R, Mk	WB, IH

Description	Rabbit polyclonal antibody to Neuropilin 1
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Neuropilin 1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of Neuropilin 1 protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IH (1/50 - 1/100)
Gene Symbol	NRP1
Alternative Names	NRP; VEGF165R; Neuropilin-1; Vascular endothelial cell growth factor 165 receptor; CD304
Entrez Gene	8829 (Human); 246331 (Rat)
SwissProt	O14786 (Human); Q9QWJ9 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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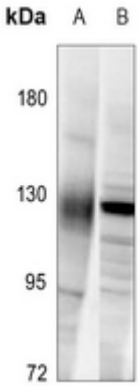
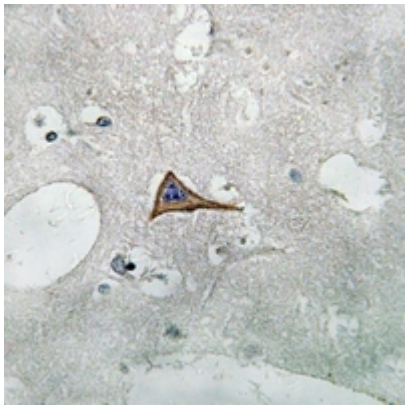


Western blot analysis of Neuropilin 1 expression in mouse brain (A), PC3 (B) whole cell lysates. (Predicted band size: 103 kD; Observed band size: 130 kD)



Immunohistochemical analysis of Neuropilin 1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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