



Rabbit anti Neuropilin-2(Paired Y39) Polyclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** Neuropilin-2(PairedY39)
- **Catalogue:** 630-600
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt,

ANTIGEN PREPARATION

A synthetic peptide RLNSKDAGYITSPGY corresponding to Neuropilin-2 protein. This sequence is identical to human, mouse, rat.

BACKGROUND

Neuropilin2 (NRP2) is a member of the neuropilin family of receptor proteins. The transmembrane protein binds to SEMA3C protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C} and SEMA3F protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F}, and interacts with vascular endothelial growth factor (VEGF). It may play a role in cardiovascular development, axon guidance, and tumorigenesis. It has also been determined to act as a co-receptor for SARS-CoV-2 (which causes COVID-19) to infect host cells.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human Neuropilin-2(PairedY39) protein without the phosphorylation Y39. It cross reacts to human, mice and rat.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 130.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS

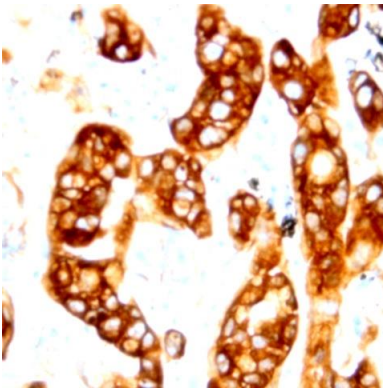
MW (kDa)

1

—
250-
150-
100-
75-
50-
37-



Western Blot: The whole lysate derived from mouse brain (20 ug/lane) immunoblotted by Rabbit anti – Neuropilin-2 (NRP2) (Paired Y39) antibody (Cat# 630-600) at 1:500. Observed a major immunoreactive band at molecular weight ~120kDa.



Immunohistochemistry: Human carcinoma (FFPE) stained with Rabbit anti-TGF (Cat#) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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