

## **Neuropilin-2 Polyclonal Antibody**

Catalog No: YT5230

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;IHC;IF;ELISA

Target: Neuropilin-2

Gene Name: NRP2

Protein Name: Neuropilin-2

Human Gene Id: 8828

**Human Swiss Prot** 

No:

Mouse Gene Id: 18187

**Mouse Swiss Prot** 

No:

Rat Gene ld: 81527

Rat Swiss Prot No: 035276

Immunogen: The antiserum was produced against synthesized peptide derived from the

Internal region of human NRP2. AA range:791-840

Specificity: Neuropilin-2 Polyclonal Antibody detects endogenous levels of Neuropilin-2

protein.

O60462

O35375

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

**Storage Stability:** -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 100kD

Location:

**Background:** This gene encodes a member of the neuropilin family of receptor proteins. The

encoded 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). This protein may play a role in cardiovascular development, axon guidance, and tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008],

**Function:** function: High affinity receptor for semaphorins 3C, 3F, VEGF-165 and

VEGF-145 isoforms of VEGF, and the PLGF-2 isoform of PGF., similarity:Belongs to the neuropilin family., similarity:Contains 1 MAM domain., similarity:Contains 2 CUB domains., similarity:Contains 2 F5/8 type C domains., subunit:Heterodimer

with NRP1 (Probable). Binds PLXNB1.,

Subcellular Membrane ; Single-pass type I membrane protein .; [Isoform s9]: Secreted .

**Expression:** Brain, Human endometrium carcinoma cell line, Liver, Mammary

gland, Ovary, Prostate adenocarcino

**Sort :** 10735

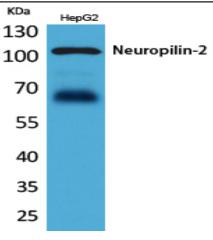
**No4:** 1

Host: Rabbit

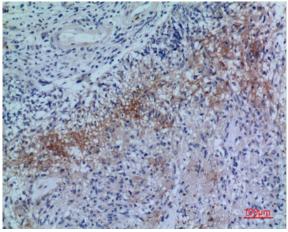
Modifications : Unmodified

## **Products Images**

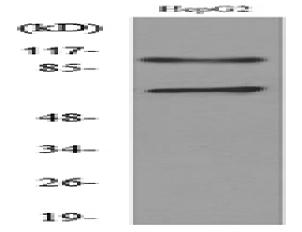
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Western Blot analysis of HepG2 cells using Neuropilin-2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded humanbrain, antibody was diluted at 1:100



Western blot analysis of lysate from HepG2 cells, using NRP2 Antibody.