

A2581

Leader in Biomolecular Solutions for Life Science



## NRP2 Rabbit pAb

Catalog No.: A2581

4 Publications

### Basic Information

#### Observed MW

130kDa

#### Calculated MW

105kDa

#### Category

Polyclonal Antibody

#### Applications

WB,IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

### 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. This protein has also been determined to act as a co-receptor for SARS-CoV-2 (which causes COVID-19) to infect host cells.

### Recommended Dilutions

WB	1:100 - 1:500
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

8828

#### Swiss Prot

O60462

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 21-219 of human NRP2 (NP\_957718.1).

#### Synonyms

NP2; NPN2; PRO2714; VEGF165R2; NRP2

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

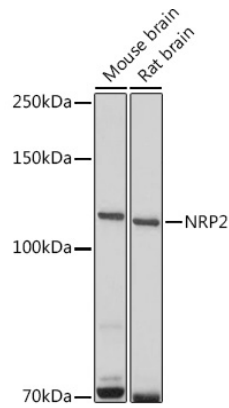
Affinity purification

#### Storage

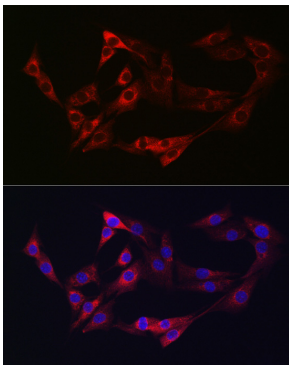
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

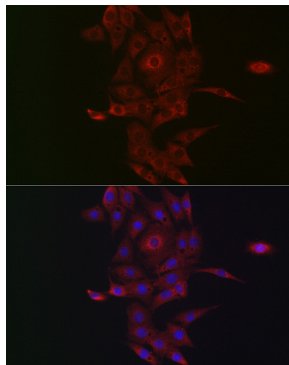
## Validation Data



Western blot analysis of extracts of various cell lines, using NRP2 antibody (A2581) at 1:500 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.



Immunofluorescence analysis of NIH/3T3 cells using NRP2 Rabbit pAb (A2581) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using NRP2 Rabbit pAb (A2581) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.