

Datasheet for ABIN7043380  
**anti-NRP2 antibody (Extracellular, N-Term)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	25 µL
Target:	NRP2
Binding Specificity:	AA 747-758, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NRP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)REDQGGEWKHGR, corresponding to amino acid residues 747-758 of human neuropilin-2
Isotype:	IgG
Characteristics:	Anti-Neuropilin-2 (NRP2) (extracellular) Antibody (ABIN7043380, ABIN7044700 and ABIN7044701)) is a highly specific antibody directed against an epitope of the human protein. The antibody can be used in western blot, immunohistochemistry, and indirect flow cytometry applications. The antibody recognizes an extracellular epitope and is thus ideal for detecting the protein in living cells. It has been designed to recognize NRP2 from mouse, rat and human samples.

## Product Details

Purification: Affinity purified on immobilized antigen.

## Target Details

Target: NRP2

Alternative Name: Neuropilin-2 (NRP2) ([NRP2 Products](#))

Background: Alternative names: Neuropilin-2 (NRP2), Vascular endothelial cell growth factor 165 receptor 2, VEGF165R2

Gene ID: 8828

NCBI Accession: [NM\\_003872](#)

UniProt: [O60462](#)

Pathways: [Signaling Events mediated by VEGFR1 and VEGFR2](#), [VEGFR1 Specific Signals](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: 25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.

Concentration: 0.8 mg/mL

Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

Preservative: Sodium azide

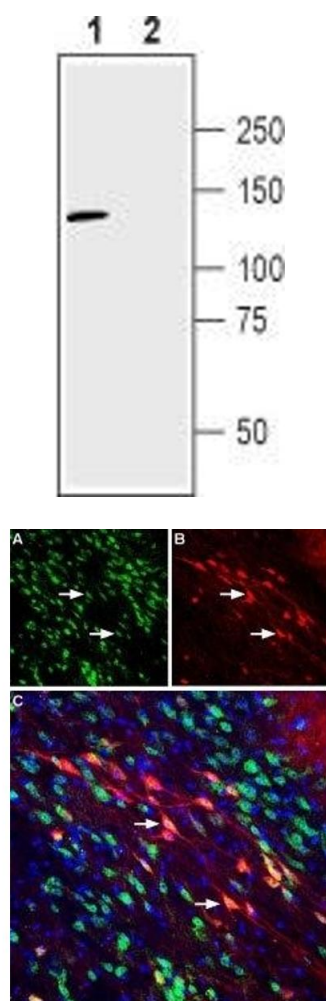
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: RT, 4 °C, -20 °C

Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.  
Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and

thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

## Images

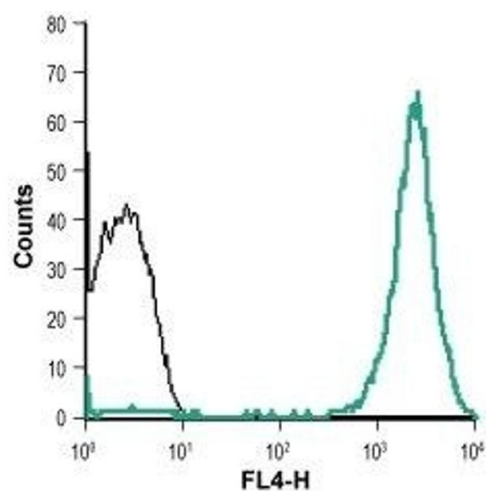


## Western Blotting

**Image 1.** Western blot analysis of human U-87 MG glioma cell line lysate: - 1. Anti-Neuropilin-2 (NRP2) (extracellular) Antibody (ABIN7043380, ABIN7044700 and ABIN7044701), (1:200). 2. Anti-Neuropilin-2 (NRP2) (extracellular) Antibody, preincubated with Neuropilin-2/NRP2 (extracellular) Blocking Peptide (#BLP-NR062).

## Immunohistochemistry

**Image 2.** Expression of Neuropilin-2 in mouse substantia nigra pars compacta - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections using Anti-Neuropilin-2 (NRP2) (extracellular) Antibody (ABIN7043380, ABIN7044700 and ABIN7044701), (1:400). A. NRP2 staining (green) reveals several neuronal profiles of NRP2 positive neurons that are distributed along the substantia nigra pars compacta. B. The same section stained for Calbindin-D28K (red) shows positive neurons along the substantia nigra pars compacta. C. Merge of the two images reveals co-localization in several neurons (arrows). DAPI counterstain is used to visualize nuclei of all cells (blue).



### Flow Cytometry

**Image 3.** Cell surface detection of Neuropilin-2 in live intact human THP-1 acute monocytic leukemia cell line: (black line) Unstained cells + goat anti-rabbit-AlexaFluor-647 secondary antibody. (green line) Cells + Anti-Neuropilin-2 (NRP2) (extracellular) Antibody (ABIN7043380, ABIN7044700 and ABIN7044701), (1:15) + goat anti-rabbit-AlexaFluor-647 secondary antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043380.