Neuropilin 2 (NRP2) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Neuropilin 2 (NRP2), Monoclonal Antibody
Full Product Name	Monoclonal Antibody to Neuropilin 2 (NRP2)
Product Gene Name	anti-NRP2 antibody
Product Synonym Names	NRP2/Neuropilin 2; NP2; NPN2; VEGF165R2; VEGF165R2; Vascular endothelial cell growth factor 165 receptor 2
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	D15
Host	Mouse
Species Reactivity	Human, Rat
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Purity/Purification	Affinity Chromatography
Concentration	1mg/mL (lot specific)
Specificity	The antibody is a mouse monoclonal antibody raised against NRP2. It has been selected for its ability to recognize NRP2 in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: NRP2 Clone #D15 (MBS2139232) APC-CY7 Conjugated Antibody: NRP2 Clone #D15 (MBS2135854)
Matching Pairs	Unconjugated Antibody: NRP2 Clone #D15 (MBS2139232) PE Conjugated Antibody: NRP2 Clone #D15 (MBS2135856)
Matching Pairs	Unconjugated Antibody: NRP2 Clone #D15 (MBS2139232) APC Conjugated Antibody: NRP2 Clone #D15 (MBS2135858)
Matching Pairs	Unconjugated Antibody: NRP2 Clone #D15 (MBS2139232) Cy3 Conjugated Antibody: NRP2 Clone #D15 (MBS2135860)
Matching Pairs	Unconjugated Antibody: NRP2 Clone #D15 (MBS2139232) Biotin Conjugated Antibody: NRP2 Clone #D15 (MBS2135862)
Matching Pairs	Unconjugated Antibody: NRP2 Clone #D15 (MBS2139232) FITC Conjugated Antibody: NRP2 Clone #D15 (MBS2135864)
Matching Pairs	Unconjugated Antibody: NRP2 Clone #D15 (MBS2139232) HRP Conjugated Antibody: NRP2 Clone #D15 (MBS2135866)
Molecular Weight	103,897 Da
3D Structure	ModBase 3D Structure for O35276
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.

Immunogen Type	Prokaryotic Recombinant proteins/RP
Sequence of Immunogen	Glu652~Pro858
Conjugation	Unconjugated
Product Categories/Family for anti-NRP2 antibody	Neuro science; Primary
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-NRP2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-NRP2 antibody	WB: 0.53ug/mL IHC: 530ug/mL ICC: 530ug/mL
Related Product Information for anti-NRP2 antibody	MBS2139232 is an antibody targeting NRP2. Also known as Monoclonal Antibody to Neuropilin 2 (NRP2). Reactive in Human, Rat. Host: Mouse.
Other Notes	Small volumes of anti-NRP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NRP2. It may not necessarily be applicable to this product.

NCBI GI #	9296999
NCBI GeneID	81527
NCBI Accession #	O35276.1
UniProt Primary Accession #	O35276
UniProt Related Accession #	O35276
NCBI Official Full Name	Neuropilin-2
NCBI Official Synonym Full Names	neuropilin 2
NCBI Official Symbol	Nrp2
UniProt Protein Name	Neuropilin-2
UniProt Synonym Protein Names	Vascular endothelial cell growth factor 165 receptor 2
Protein Family	NAP1-related protein
UniProt Gene Name	Nrp2
UniProt Entry Name	NRP2_RAT
NCBI Protein Information	neuropilin-2; vascular endothelial cell growth factor 165 receptor 2
NCBI Summary for NRP2	an axonal guidance molecule [RGD, Feb 2006]
UniProt Comments for NRP2	High affinity receptor for semaphorins 3C, 3F, VEGF-165 and VEGF-145 isoforms of VEGF, and the PLGF-2 isoform of PGF.
Research Articles on NRP2	**1.** Major endogenous forms of immunoreactive-NERPs in brain and gastrointetinal tract are identified as NERP-1, NERP-2, and big NERP-2 (NERP-1 + NERP-2), with NERP-1 and big NERP-2 being predominant.

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