bsm-52479R

[Primary Antibody]

Neuropilin-1 Recombinant Rabbit mAb



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- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Recombinant CloneNo.: 49H9

GeneID: 8829 SWISS: 014786

Target: Neuropilin-1

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: This gene encodes one of two neuropilins, which contain specific

protein domains which allow them to participate in several different types of signaling pathways that control cell migration. Neuropilins contain a large N-terminal extracellular domain, made up of complement-binding, coagulation factor V/VIII, and meprin domains. These proteins also contains a short membrane-spanning domain and a small cytoplasmic domain. Neuropilins bind many ligands and various types of co-receptors; they affect cell survival, migration, and attraction. Some of the ligands and coreceptors bound by neuropilins are vascular endothelial growth factor (VEGF) and semaphorin family members. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by

RefSeq, Oct 2011]

Applications: WB (1:500-2000)

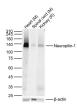
IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200)

Reactivity: Human, Mouse, Rat

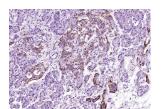
Predicted MW.: 103 kDa

Subcellular Location: Secreted ,Cell membrane

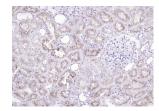
VALIDATION IMAGES



Sample: Lane 1: Mouse Heart Lysates Lane 2: Mouse Spinal cord Lysates Lane 3: Rat Kidney Lysates Primary: Anti-Neuropilin-1 (bsm-52479R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 103kDa Observed band size: 130kDa



Paraformaldehyde-fixed, paraffin embedded (human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neuropilin-1) Monoclonal Antibody, Unconjugated (bsm-52479R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neuropilin-1) Monoclonal Antibody, Unconjugated (bsm-52479R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

SELECTED CITATIONS —

• [IF=5.858] E Wen. et al. Tuftsin ameliorates splenic inflammatory injury by promoting neuropilin-1 in severe acute pancreatitis. BIOCHEM PHARMACOL. Biochem Pharmacol. 2022 May;199:115030 IHC,IF; Mouse. 35381211