

Datasheet for ABIN671991

anti-Neuropilin 1 antibody (AA 851-923)**2** Images[Go to Product page](#)

Overview

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| Quantity: | 100 µL |
| Target: | Neuropilin 1 (NRP1) |
| Binding Specificity: | AA 851-923 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Neuropilin 1 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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|-----------------------|--|
| Immunogen: | KLH conjugated synthetic peptide derived from human neuropilin-1 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Rat |
| Predicted Reactivity: | Mouse, Sheep, Chicken |
| Purification: | Purified by Protein A. |

Target Details

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|---------|---------------------|
| Target: | Neuropilin 1 (NRP1) |
|---------|---------------------|

Target Details

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| Alternative Name: | Neuropilin 1 (NRP1 Products) |
| Background: | <p>Synonyms: NP1, NRP, BDCA4, CD304, VEGF165R, Neuropilin-1, Vascular endothelial cell growth factor 165 receptor, NRP1</p> <p>Background: The membrane-bound isoform 1 is a receptor involved in the development of the cardiovascular system, in angiogenesis, in the formation of certain neuronal circuits and in organogenesis outside the nervous system. It mediates the chemorepulsant activity of semaphorins. It binds to semaphorin 3A, The PLGF-2 isoform of PGF, The VEGF-165 isoform of VEGF and VEGF-B. Coexpression with KDR results in increased VEGF-165 binding to KDR as well as increased chemotaxis. It may regulate VEGF-induced angiogenesis. The soluble isoform 2 binds VEGF-165 and appears to inhibit its binding to cells. It may also induce apoptosis by sequestering VEGF-165. May bind as well various members of the semaphorin family. Its expression has an averse effect on blood vessel number and integrity.</p> |
| Gene ID: | 8829 |
| UniProt: | O14786 |
| Pathways: | Regulation of Cell Size , Signaling Events mediated by VEGFR1 and VEGFR2 , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling , VEGFR1 Specific Signals |

Application Details

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| Application Notes: | WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

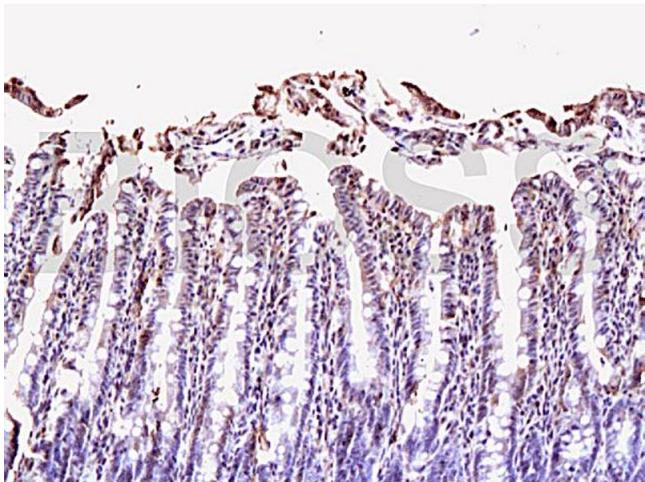
Handling

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|----------------|---|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |

Handling

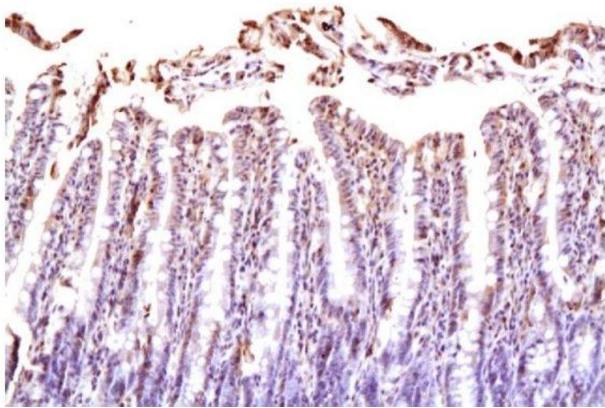
| | |
|--------------------|--|
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat small intestine labeled Anti-NRP1/CD304 Polyclonal Antibody, Unconjugated (ABIN671991) at 1:200, followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded rat small intestine labeled Anti-NRP1/CD304 Polyclonal Antibody, Unconjugated at 1:200, followed by conjugation to the secondary antibody and DAB staining