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Anti-Neuropilin 1 Rabbit mAb [45H56]

Catalog No.: A52233

Basic Information

Catalog No. (Cat.No.)	A52233
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Neuropilin 1,NRP1,Neuropilin-1,DR-2,CD205L1

Product Information

Target	Neuropilin 1
Molecular Weight(Calculated)	103 kDa
Molecular Weight(Observed)	135 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	45H56
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Neuropilin-1
Gene Name	*NRP1*
Domain	NA
Background	Neuropilin-1 (NRP1, neuropilin-1) is a non-tyrosine-kinase transmembrane co-receptor family protein regulating angiogenesis, axon guidance and cell migration. With multi-domain extracellular region, NRP1 functions as VEGF co-receptor to amplify VEGFR signaling and promote endothelial proliferation and migration; meanwhile it binds semaphorins to mediate axon guidance. It is expressed in endothelial cells, neurons and multiple tumor cell types. Physiologically NRP1 controls vascular patterning and neural projection. In tumor microenvironment NRP1 overexpression augments angiogenic signals and supports neovascularization, invasion and metastasis. Devoid of intracellular kinase domain, NRP1 transduces signals via partnering receptors and represents a potential anti-angiogenic therapeutic target.