

## Product datasheet for **TA389167**

### **NRP2 Mouse Antibody [Clone ID: M391]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	M391
Applications:	WB
Recommended Dilution:	<b>WB:</b> 1:500
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgG1
Immunogen:	Clone M391 was generated from Neuropilin-2 recombinant protein containing amino acids in the MAM domain region of rat neuropilin-2. This sequence is highly conserved in human and mouse neuropilin-2, and has low homology to neuropilin-1.
Specificity:	This antibody detects a 130 kDa* protein corresponding to the apparent molecular mass of neuropilin-2 on SDS-PAGE immunoblots of rat brain.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol
Concentration:	lot specific
Purification:	Protein A Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	130
Database Link:	<a href="#">O60462</a>



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**Background:**

Neuropilins are transmembrane proteins that contain two CUB domains (a1 and a2), two coagulation factor-like domains (b1 and b2), and a MAM domain in the extracellular region. These proteins have short cytoplasmic domains that include a PDZ-binding motif. The neuropilin (NRP) family includes NRP-1, NRP-2A, and NRP-2B. NRP-1 and NRP-2 can form a heterodimer. NRP-1 binds with high affinity to Semaphorin 3A, while NRP-2 binds with high affinity to Semaphorin 3F. Both NRP-1 and NRP-2 have been implicated in VEGFR and Plexin receptor function, and both neuropilins may be involved in axon guidance, angiogenesis, and tumor progression

**Note:**

Protein G purified tissue culture supernatant.