

Anti-Neuropilin 1 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Dog,Pig,Cow,Horse,Rabbit,Zebrafish,Sheep)
Molecular Weight:	Theoretical: 100 kDa. Actual: 105 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Liver (Mouse) Lysate at 40 µg Primary: Anti-Neuropilin 1 (TMAB-09402) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 100 kD Observed band size: 140 kD
	2. Sample: Fatal brain (Mouse) Lysate at 40 µg Cerebrum (Mouse) Lysate at 40 µg Cerebrum (Rat) Lysate at 40 µg Primary: Anti-Neuropilin 1 (TMAB-09402) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 100 kD Observed band size: 110 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Neuropilin 1
Antigen Species:	Human
Gene ID:	8829
Uniprot ID:	O14786

Research 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 co-receptors bound by neuropilins are vascular endothelial growth factor (VEGF) and semaphorin family

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members. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Oct 2011]

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