

Anti-Robo4 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 108 kDa. Actual: 60 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Lane 1: Recombinant human ROBO4 protein, C-His (HEK293) Primary: Anti-Robo4 (TMAB-12336) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 108 kDa Observed band size: 60 kDa
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 Robo4
Antigen Species:	Human
Gene ID:	54538

Research Background

Robo4 is a vascular specific receptor that is a repulsive cue to migrating endothelial cells during vascular development. Guidance and patterning of axons are orchestrated by cell surface receptors and ligands that provide directional cues. Interactions between the Robo receptor and Slit ligand families of proteins initiate signaling cascades that repel axonal outgrowth. In contrast to known neuronal Robo family members, the arrangement of the extracellular domains of Robo4 diverges significantly from that of all other Robo family members. Robo4 is specifically expressed in the vascular endothelium during murine embryonic development; the only Robo family member expressed in primary endothelial cells. Robo4 also has a role in regulating the migration of endothelial cells during tumor angiogenesis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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