

Anti-PDGF-D/SCDGFB Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 41 kDa. Actual: 40 kDa.
Purification:	Protein A purified

Applications

Sample:	Lane 1: Huvec (Human) Cell Lysate at 30 µg Lane 2: A549 (Human) Cell Lysate at 30 µg
Verified Activity:	Primary: Anti-PDGF-D/SCDGFB (TMAB-10122) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kD Observed band size: 40 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 PDGF-D/SCDGFB
Antigen Species:	Human
Gene ID:	80310
Uniprot ID:	Q9GZP0

Research Background

SCDGFB (Spinal cord derived growth factor B) is a member of the platelet derived growth factor family. It only forms homodimers and does not dimerize with the other three family members. It is a potent mitogen for cells of mesenchymal origin. It is activated by proteolytic cleavage and this active form acts as a specific ligand for beta platelet derived growth factor receptor. It is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and thereby heals the wound. It induces macrophage recruitment, increased interstitial pressure, and blood vessel maturation during angiogenesis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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