

Anti-HAND2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog,Pig,Cow,Rabbit,Sheep)
Molecular Weight:	Theoretical: 24 kDa. Actual: 26 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample:
	Lane 1: Heart (Mouse) Lysate at 40 µg
	Primary: Anti-HAND2 (TMAB-06880) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 26 kD
	Observed band size: 26 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 HAND2
Antigen Species:	Human
Gene ID:	9464
Uniprot ID:	P61296

Research Background

Essential for cardiac morphogenesis, particularly for the formation of the right ventricle and of the aortic arch arteries. Required for vascular development and regulation of angiogenesis, possibly through a VEGF signaling pathway. Plays also an important role in limb development, particularly in the establishment of anterior-posterior polarization, acting as an upstream regulator of sonic hedgehog (SHH) induction in the limb bud. Is involved in the development of branchial arches, which give rise to unique structures in the head and neck. Binds DNA on E-box consensus sequence 5'-CANNTG-3'.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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