

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse HAND2 in Western blots. In Western blots, approximately 10% cross-reactivity with recombinant human HAND1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human HAND2 Met1-Gln217 Accession # P61296
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human and Mouse HAND2

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

HAND2 (also known as dHAND, Thing-2 and Hed) is a 24 kDa, class B member of the basic helix-loop-helix transcription factors superfamily. HAND2 is essential for cardiac morphogenesis and required for vascular development and regulation of angiogenesis, possibly through VEGF signaling. HAND2 is also implicated in limb development acting as an upstream regulator of sonic hedgehog. Alternative initiation and internal deletions result in at least three potential HAND2 isoforms. Human and mouse HAND2 proteins are 100% identical.