

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human HAND1 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human HAND2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human HAND1 Met1-Gln215 Accession # O96004
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

HAND1 belongs to the HAND family of conserved basic helix-loop-helix transcription factors. It is expressed in the heart, ganglia, neural crest derivatives and extraembryonic tissues. HAND1 plays an essential role in heart development and is critical for the specification of extraembryonic tissues including trophoblasts. Human and mouse HAND1 share approximately 92% amino acid sequence homology.

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