



HAND1 Polyclonal Antibody

Catalog Number PA1-20319

Product data sheet

Details		Tested Applications	Dilution *
Size	50 µL	Immunohistochemistry (IHC)	1:200-1:1,000
Host/Isotope	Rabbit / IgG	Western Blot (WB)	1:200-1:1,000
Class	Polyclonal	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Type	Antibody		
Immunogen	Synthetic peptide, BSA conjugated, correspondiong to the residues K (168) A D G G R E S K R K R E L (181) of to human HAND1.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

PA1-20319 detects HAND1 in mouse and rat samples. Antibody is expected to cross-react with human (100%) and rabbit (92%) based on sequence homology. PA1-20319 has been successfully used in immunohistochemistry and Western blot procedures. Positive control: Embryonic mouse brain. The PA1-20319 immunogen is a synthetic peptide, BSA conjugated, correspondiong to the residues K(168) A D G G R E S K R K R E L(181) of to human HAND1. Store at 4°C short term. For extended storage aliquot and store at -20°C or below. Avoid freeze-thaw cycles.

Background/Target Information

HAND1 belongs to the basic helix-loop-helix family of transcription factors. This gene product is one of two closely related family members, the HAND proteins, which are asymmetrically expressed in the developing ventricular chambers and play an essential role in cardiac morphogenesis. Working in a complementary fashion, they function in the formation of the right ventricle and aortic arch arteries, implicating them as mediators of congenital heart disease. In addition, it has been suggested that this transcription factor may be required for early trophoblast differentiation.

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