

HAND1 Mouse mAb

CatalogNo: YM0323

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- WB,ELISA

MW

- 24kD (Calculated)

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:10000

Not yet tested in other applications.

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Monoclonal

Immunogen Information

Immunogen Purified recombinant fragment of HAND1 (aa90-190) expressed in E. Coli.

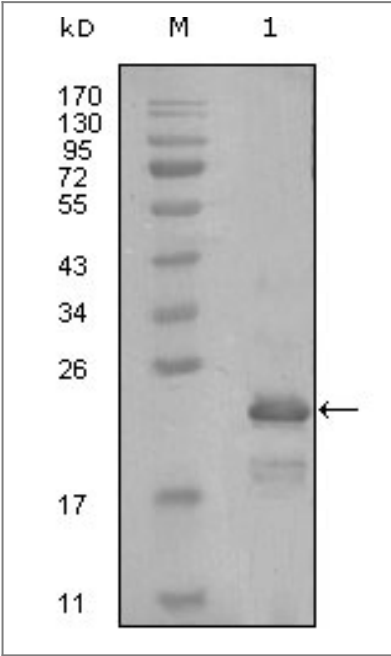
Specificity HAND1 Monoclonal Antibody detects endogenous levels of HAND1 protein.

Target Information

Gene name HAND1

Protein Name	Heart- and neural crest derivatives-expressed protein 1		
	Organism	Gene ID	UniProt ID
	Human	9421 ;	O96004 ;
	Mouse		Q64279 ;
Cellular Localization	Nucleus, nucleoplasm . Nucleus, nucleolus . Interaction with MDFIC sequesters it into the nucleolus, preventing the transcription factor activity. Phosphorylation by PLK4 disrupts the interaction with MDFIC and releases it from the nucleolus, leading to transcription factor activity (By similarity). .		
Tissue specificity	Heart.		
Function	Function:Plays an essential role in early trophoblast differentiation and in cardiac morphogenesis. In the adult, could be required for ongoing expression of cardiac-specific genes. Binds the DNA sequence 5'-NRTCTG-3' (non-canonical E-box).,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,subunit:Efficient DNA binding requires dimerization with another bHLH protein. Forms homodimers and heterodimers with TCF3 gene products E12 and E47, HAND2 and HEY1, HEY2 and HEYL (hairy-related transcription factors).,tissue specificity:Heart.,		

Validation Data



Western Blot analysis using HAND1 Monoclonal Antibody against truncated Trx-HAND1 recombinant protein (1).

Contact information

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Please scan the QR code
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product information:
HAND1 Mouse mAb

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