



Mouse anti-Human HAND2 monoclonal antibody, clone 4F4 (CABT-B10382)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	HAND2 (NP_068808, 135 a.a. ~ 217 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	4F4
Conjugate	Unconjugated
Applications	WB, IF, ELISA
Sequence Similarities	LSKIKTLRLATSYIAYLMDLLAKDDQNGEAEAFKAEIKKTDVKEEKRKKELNEILKSTVS SNDKKTGRTGWPQHVWALELK*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The protein encoded by this gene 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,
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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, this transcription factor plays an important role in limb and branchial arch development. [provided by RefSeq, Jul 2008]

Keywords	HAND2; heart and neural crest derivatives expressed 2; Hed; dHand; DHAND2; Thing2; bHLHa26; heart- and neural crest derivatives-expressed protein 2; class A basic helix-loop-helix protein 26; basic helix-loop-helix transcription factor HAND2; deciduum, heart, autonomic nervous system and neural crest derivatives-expressed protein 2;
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GENE INFORMATION

Entrez Gene ID	9464
UniProt ID	P61296
Pathway	Heart Development, organism-specific biosystem
Function	DNA binding; contributes_to E-box binding; RNA polymerase II regulatory region sequence-specific DNA binding; activating transcription factor binding; protein domain specific binding; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding transcription factor activity; transcription coactivator activity; transcription factor binding; contributes_to transcription regulatory region DNA binding
