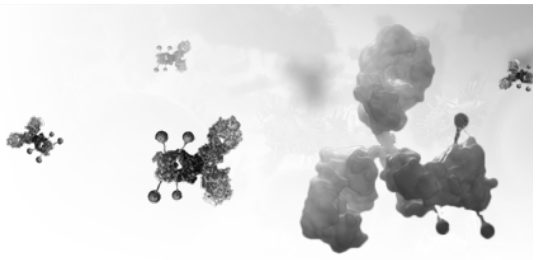

Mouse anti-Human CHD8 monoclonal antibody, clone 3D9 (CABT-B9961)

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

PRODUCT INFORMATION

Immunogen	CHD8 (NP_065971, 1980 a.a. ~ 2079 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	3D9
Conjugate	Unconjugated
Applications	WB,IF,sELISA,ELISA
Sequence Similarities	EGLKLTFQKHKLMANGVMGDGHPLFHKKKGNRKKLVELEVECMEEPNHLDVDLETRIPVI NKVDGTLLVGEDAPRRAELEMWLQGHPEFAVDPRFLAYM*
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	This gene encodes a DNA helicase that functions as a transcription repressor by remodeling chromatin structure. It binds beta-catenin and negatively regulates Wnt signaling pathway,

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	which plays a pivotal role in vertebrate early development and morphogenesis. Mice lacking this gene exhibit early embryonic death. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010]
Keywords	CHD8; chromodomain helicase DNA binding protein 8; AUTS18; HELSNF1; chromodomain-helicase-DNA-binding protein 8; duplin; axis duplication inhibitor; ATP-dependent helicase CHD8; helicase with SNF2 domain 1;

GENE INFORMATION

Entrez Gene ID	57680
UniProt ID	Q9HCK8
Pathway	Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem; Wnt signaling pathway, organism-specific biosystem; Wnt signaling pathway, conserved biosystem
Function	ATP binding; DNA binding; DNA helicase activity; DNA-dependent ATPase activity; beta-catenin binding; histone binding; hydrolase activity, acting on acid anhydrides; methylated histone residue binding; nucleotide binding; p53 binding; protein binding

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