



Anti-CHD8 (aa 1980-2078) polyclonal antibody (DPAB-DC2607)

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

PRODUCT INFORMATION

Antigen Description	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, 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.
Immunogen	CHD8 (NP_065971, 1980 a.a. ~ 2078 a.a) partial recombinant protein with GST tag. The sequence is EGLKLTQKHKLMANGVMGDGHPLFHKKKGNRKKLVELEVECMEEPNHLDVDLETRIPVI NKVDGTLLVGEDAPRRAELEMWLQGHPEFAVDPRFLAYM
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CHD8 chromodomain helicase DNA binding protein 8 [Homo sapiens (human)]
Official Symbol	CHD8
Synonyms	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;
Entrez Gene ID	57680
Protein Refseq	NP_001164100
UniProt ID	Q9HCK8
Chromosome Location	14q11.2
Pathway	Regulation of Wnt-mediated beta catenin signaling and target gene transcription; Wnt signaling pathway.
Function	ATP binding; DNA binding; DNA helicase activity; DNA-dependent ATPase activity