

产品名称: CHD8 Rabbit Polyclonal Antibody
产品货号: APRab08750



产品概述 (Summary)

产品名称 (Production Name)	CHD8 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC/IF
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CHD8
别名 (Alternative Names)	HELSNF1 KIAA1564
基因 ID (Gene ID)	57680.0
蛋白 ID (SwissProt ID)	Q9HCK8.Synthesized peptide derived from part region of human protein

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:50-1:300, ICC/IF 1:50-1:200
蛋白分子量 (Molecular Weight)	283kDa

研究背景 (Background)

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

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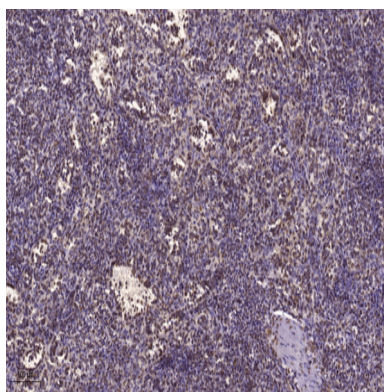


and morphogenesis. Mice lacking this gene exhibit early embryonic death. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010],function:DNA helicase that acts as a chromatin remodeling factor and regulates transcription. Acts as a transcription repressor by remodeling chromatin structure and recruiting histone H1 to target genes. Suppresses p53/TP53-mediated apoptosis by recruiting histone H1 and preventing p53/TP53 transactivation activity. Acts as a negative regulator of Wnt signaling pathway by regulating beta-catenin (CTNNB1) activity. Negatively regulates CTNNB1-targeted gene expression by being recruited specifically to the promoter regions of several CTNNB1 responsive genes. Involved in both enhancer blocking and epigenetic remodeling at chromatin boundary via its interaction with CTCF. Acts as a suppressor of STAT3 activity by suppressing the LIF-induced STAT3 transcriptional activity. Also acts as a transcription activator via its interaction with ZNF143 by participating to efficient U6 RNA polymerase III transcription.,miscellaneous:Its gene is located in the 14q11.2 region of the genome which is associated with developmental delay, cognitive impairment and similar minor anomalies in some children, suggesting that it may be a good candidate for the phenotype.,PTM:Sumoylated.,similarity:Belongs to the SNF2/RAD54 helicase family. CHD8 subfamily.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,similarity:Contains 2 chromo domains.,subcellular location:Localizes to the promoter regions of several CTNNB1-responsive genes. Also present at known CTCF target sites.,subunit:Interacts with p53/TP53, histone H1, CTNNB1, CTCF and PIAS3. Component of a multiprotein complex of 900 kDa containing WDR5.,

研究领域 (Research Area)

WNT;WNT-T CELL

图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human spleen. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight.3,Secondary antibody was diluted at 1:200 (room temperature, 45min) .

注意事项 (Note)

For research use only .