

Anti-CHD8 antibody



Description	Unconjugated Rabbit polyclonal to CHD8
Model	STJ190698
Host	Rabbit
Reactivity	Human
Applications	IHC
Gene ID	57680
Gene Symbol	CHD8
Dilution range	IHC-p 1:50-300
Specificity	CHD8 Polyclonal Antibody detects endogenous levels of protein.
Purification	CHD8 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Chromodomain-helicase-DNA-binding protein 8 CHD-8 ATP-dependent helicase CHD8 Helicase with SNF2 domain 1
Molecular Weight	283 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.

Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:20153OMIM:610528
Alternative Names	Chromodomain-helicase-DNA-binding protein 8 CHD-8 ATP-dependent helicase CHD8 Helicase with SNF2 domain 1
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 in efficient U6 RNA polymerase III transcription.
Cellular Localization	Nucleus. Localizes to the promoter regions of several CTNNB1-responsive genes. Also present at known CTCF target sites.
Post-translational Modifications	Sumoylated.

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