

## Anti-CHD8 antibody

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

<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="https://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=Gene;term=610528">HGNC:20153OMIM:610528</a>
<b>Alternative Names</b>	Chromodomain-helicase-DNA-binding protein 8 CHD-8 ATP-dependent helicase CHD8 Helicase with SNF2 domain 1
<b>Function</b>	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.
<b>Cellular Localization</b>	Nucleus. Localizes to the promoter regions of several CTNNB1-responsive genes. Also present at known CTCF target sites.
<b>Post-translational Modifications</b>	Sumoylated.