

# CHD4 Antibody

Purified Mouse Monoclonal Antibody (Mab)  
Catalog # AP52781

## Product Information

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<b>Application</b>	WB, IP
<b>Primary Accession</b>	<a href="#">Q14839</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Calculated MW</b>	218005

## Additional Information

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<b>Gene ID</b>	1108
<b>Other Names</b>	ATP dependent helicase CHD4;ATP-dependent helicase CHD4;CHD 4;CHD-4;CHD4;CHD4_HUMAN; Chromodomain helicase DNA binding protein 4;Chromodomain-helicase-DNA-binding protein 4;DKFZp686E06161;Mi 2 autoantigen 218 kDa protein;Mi 2b;Mi-2 autoantigen 218 kDa protein;Mi2 beta;Mi2-beta.
<b>Dilution</b>	WB~~1:1000 IP~~1:500
<b>Format</b>	Purified mouse monoclonal in PBS(pH 7.4)containing with 0.09% (W/V) sodium azide,50% glycerol.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	CHD4
<b>Function</b>	ATP-dependent chromatin-remodeling factor that binds and distorts nucleosomal DNA (PubMed: <a href="#">28977666</a> , PubMed: <a href="#">32543371</a> ). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed: <a href="#">16428440</a> , PubMed: <a href="#">17626165</a> , PubMed: <a href="#">28977666</a> , PubMed: <a href="#">9804427</a> ). Localizes to acetylated damaged chromatin in a ZMYND8-dependent manner, to promote transcriptional repression and double-strand break repair by homologous recombination (PubMed: <a href="#">2593309</a> ). Involved in neurogenesis (By similarity).
<b>Cellular Location</b>	Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Associates with centrosomes in interphase (By similarity). Localizes to sites of DNA damage in a manner dependent on ZMYND8 and ZNF687 (PubMed:27732854, PubMed:28977666).

Tissue Location	Widely expressed..
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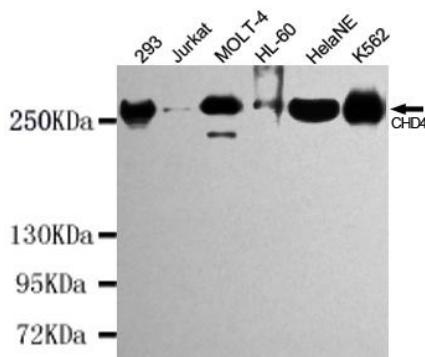
## Background

Component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin by deacetylating histones.

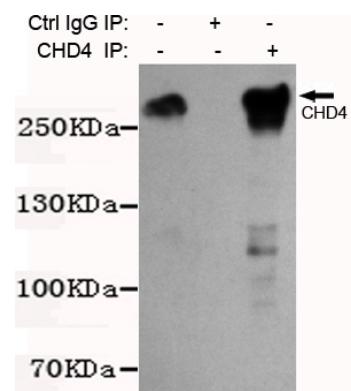
## References

- Seelig H.P.,et al.Arthritis Rheum. 38:1389-1399(1995).  
Scherer S.E.,et al.Nature 440:346-351(2006).  
Tong J.K.,et al.Nature 395:917-921(1998).  
Schmidt D.R.,et al.Biochemistry 38:14711-14717(1999).  
Kim J.,et al.Immunity 10:345-355(1999).

## Images



Western blot detection of CHD4 in K562,HeLaNE,HL-60,MOLT-4,Jurkat and 293 cell lysates using CHD4 mouse mAb (1:1000 diluted).Predicted band size:260KDa.Observed band size:260KDa.



Immunoprecipitation analysis of K562 cell lysates using CHD4 mouse mAb.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.