



CHD4 mouse mAb

Catalog No	YP-mAb-01095
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;CoIP
Gene Name	chd4
Immunogen	Purified recombinant human CHD4 protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of CHD4 and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000 IP 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CHD-4;CHD 4;CHD4;ATP dependent helicase CHD4;ATP-dependent helicase 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.
Observed Band	260kD
Calculated Molecular Weight	260kD
Cell Pathway	Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Associates with centrosomes in interphase. .
Tissue Specificity	Epithelium,Pancreas,Skin,Uterus,
Function	disease:One of the main antigens reacting with anti-MI-2 positive sera of dermatomyositis.,function:Probable transcription regulator.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the SNF2/RAD54 helicase family.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,similarity:Contains 2 chromo domains.,similarity:Contains 2 PHD-type zinc fingers.,subunit:Central component of the nucleosome remodeling and histone deacetylase (NuRD)



repressor complex. Interacts with TRIM27. Part of a complex containing ATR and HDAC2. Interacts with KLF1; the interaction depends on sumoylation of KLF1, and leads to its transcriptional repression.,

Background

The product of this gene belongs to the SNF2/RAD54 helicase family. It represents the main component of the nucleosome remodeling and deacetylase complex and plays an important role in epigenetic transcriptional repression. Patients with dermatomyositis develop antibodies against this protein. Somatic mutations in this gene are associated with serous endometrial tumors. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014],

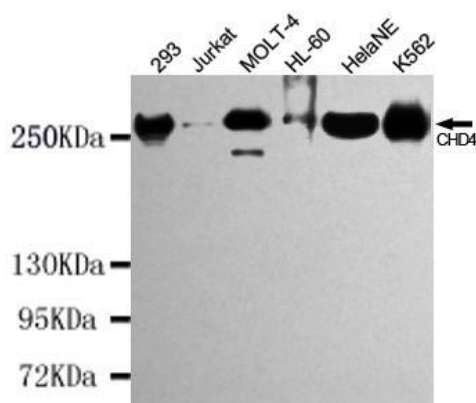
matters needing attention

Avoid repeated freezing and thawing!

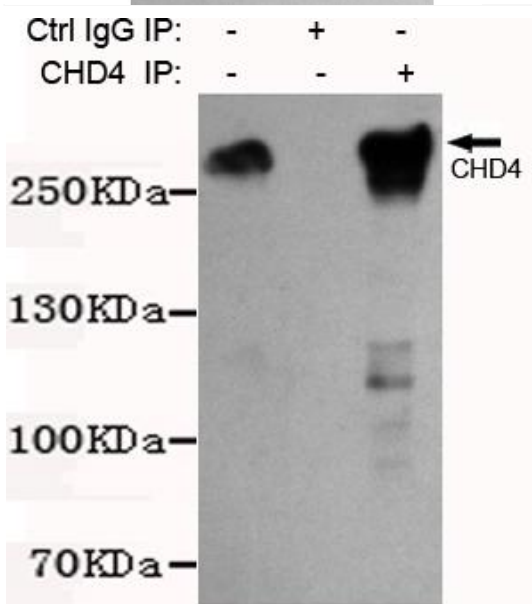
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products 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.