



CHD4 Rabbit mAb

Catalog No	YP-rAb-17266
Isotype	IgG
Reactivity	Human,Mouse
Applications	WB,IF,ELISA
Gene Name	CHD4
Protein Name	Chromodomain-helicase-DNA-binding protein 4
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	CHD4 ; Chromodomain-helicase-DNA-binding protein 4 ; CHD-4 ; ATP-dependent helicase CHD4 ; Mi-2 autoantigen 218 kDa protein ; Mi2-beta
Observed Band	260kD
Calculated Molecular Weight	218kD
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

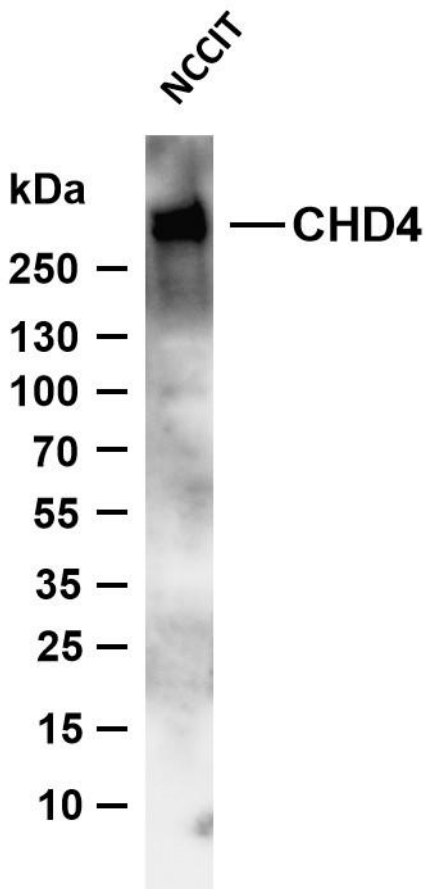
The product of this gene belongs to the SNF2/RAD54 helicase family. It represents the main component of the nucleosome remodeling and deacetylase complex and plays an important role in epigenetic transcriptional repression. Patients with dermatomyositis develop antibodies against this protein. Somatic 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.



Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-CHD4 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: NCCIT Predicted band size: 218kDa Observed band size: 260kDa

