

Mi2-α Monoclonal Antibody

Catalog No :	YM1062
Reactivity :	Human;Mouse;Rat;Bovine;Dog;Pig
Applications :	WB;IHC;IF;FCM
Target :	Mi2-α
Gene Name :	CHD3
Protein Name :	Chromodomain-helicase-DNA-binding protein 3
Human Gene Id :	1107
Human Swiss Prot No :	Q12873
Immunogen :	Purified recombinant human Mi2-α (C-terminus) protein fragments expressed in E.coli.
Specificity :	Mi2-α Monoclonal Antibody detects endogenous levels of Mi2-α protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:1000 - 1:2000. IHC 1:500 - 1:1000. IF 1:100 - 1:500. Flow cytometry: 1:100 - 1:200. Not yet tested in other applications.
Purification :	Affinity purification
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	227kD
Background :	This gene encodes a member of the CHD family of proteins which are characterized by the presence of chromo (chromatin organization modifier)

domains and SNF2-related helicase/ATPase domains. This protein is one of the components of a histone deacetylase complex referred to as the Mi-2/NuRD complex which participates in the remodeling of chromatin by deacetylating histones. Chromatin remodeling is essential for many processes including transcription. Autoantibodies against this protein are found in a subset of patients with dermatomyositis. Three alternatively spliced transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008],

Function :

disease:One of the main antigens reacting with anti-Mi-2 positive sera of dermatomyositis.,function:Probable transcription regulator.,sequence caution:Differs from position 1967 onward for unknown reasons.,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) repressive complex. Interacts with TRIM28 and SERBP1. Interacts via its C-terminal region with HABP4.,tissue specificity:Widely expressed.,

Subcellular Location :

Nucleus, PML body . Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Associates with centrosomes in interphase and mitosis. .

Expression :

Widely expressed.

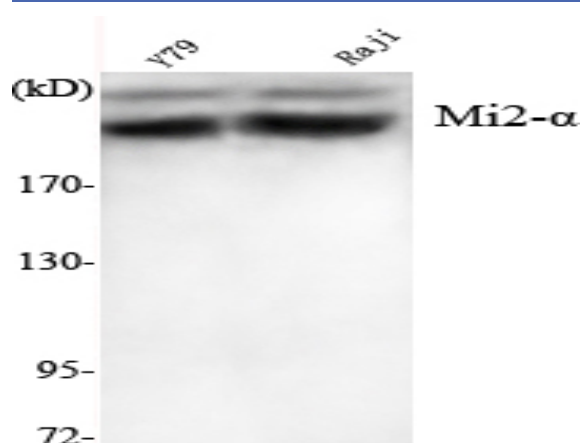
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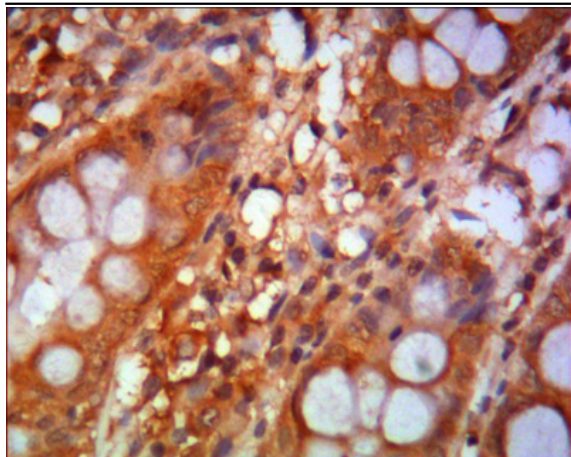
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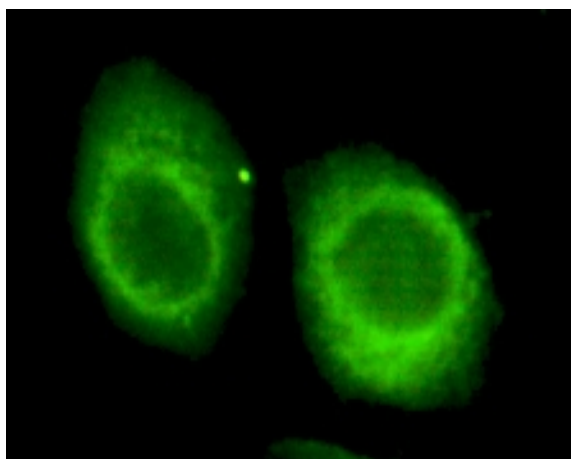
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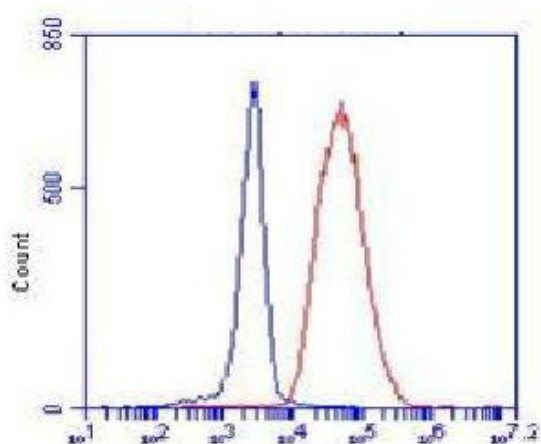
Western Blot analysis using Mi2-α Monoclonal Antibody against Y7P, Raji cell lysate.



Immunohistochemistry analysis of paraffin-embedded human colon using Mi2-α Monoclonal Antibody.



Immunofluorescence analysis of HeLa cells using Mi2-α Monoclonal Antibody.



Flow cytometric analysis of K562 cells stained with Mi2-α Monoclonal Antibody (red), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.