

Mi2- α Monoclonal Antibody

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| Catalog No : | YM0442 |
| Reactivity : | Human;Mouse |
| Applications : | WB;IHC;IF;FCM;ELISA |
| 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 fragment of human Mi2- α 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 1:500 - 1:2000. IHC 1:200 - 1:1000. IF 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000. Not yet tested in other applications. |
| Purification : | Affinity purification |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Molecularweight : | 227kD |
| P References : | 1. Virus Res. 2003 Dec;98(1):83-91. 2. Mol Cell. 2004 Sep 24;15(6):853-65. 3. J Biol Chem. 2008 Dec 12;283(50):34976-82. |
| 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 HBP4.,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.

Sort :

9627

No4 :

1

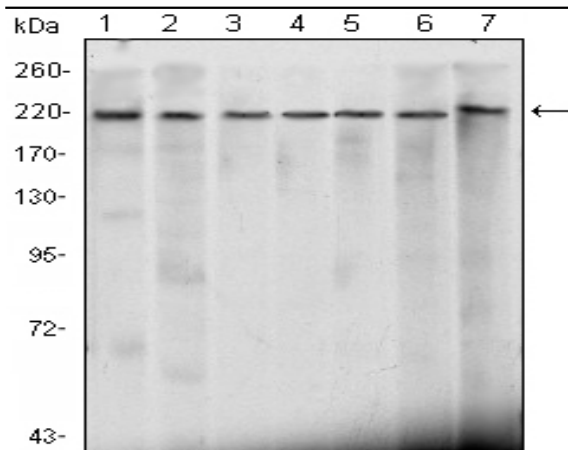
Host :

Mouse

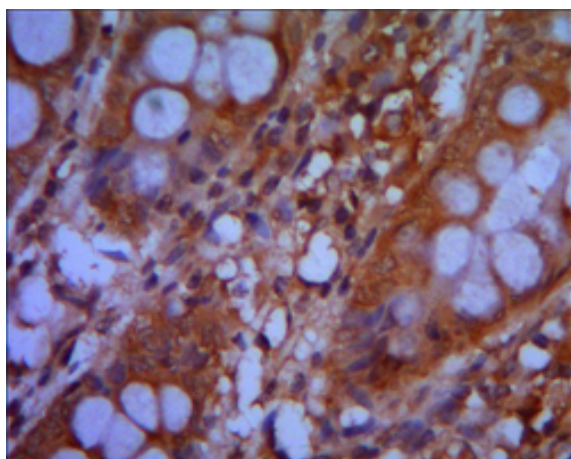
Modifications :

Unmodified

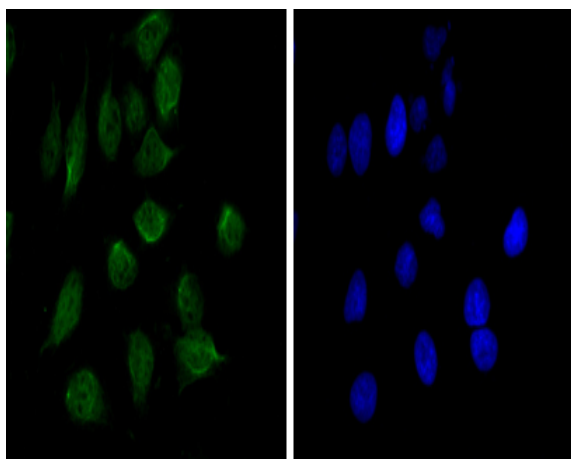
Products Images



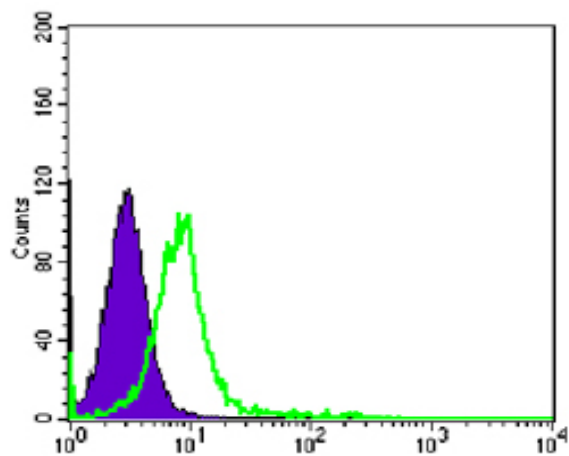
Western Blot analysis using Mi2- α Monoclonal Antibody against HeLa (1), K562 (2), Jurkat (3), NTERA-2 (4), HEK293 (5), Raji (6) cell lysate and mouse brain (7) tissue lysate.



Immunohistochemistry analysis of paraffin-embedded colon cancer tissues with DAB staining using Mi2- α Monoclonal Antibody.



Immunofluorescence analysis of HeLa cells using Mi2- α Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of K562 cells using Mi2- α Monoclonal Antibody (green) and negative control (purple).