

CHD3 (C-terminus) Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52684

Product Information

Primary Accession	Q12873
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	226592

Additional Information

Gene ID	1107
Other Names	226;2600010P09Rik;AF020312;ATP dependent helicase CHD3;ATP-dependent helicase Chd3;CHD-3;Chd3;CHD3_HUMAN;Chd7;Chromodomain-helicase-DNA-binding protein 3;hZFH;MGC40857;Mi 2 autoantigen 240 kDa protein;Mi 2a;Mi-2 autoantigen 240 kDa protein;Mi2 ALPHA;Mi2-alpha; Prp7;Prp9 1;ZFH;Zinc finger helicase;zinc-finger helicase (Snf2-like).
Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.09% (W/V) sodium azide, 50% glycerol
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	CHD3
Function	ATP-dependent chromatin-remodeling factor that binds and distorts nucleosomal DNA (PubMed: 28977666). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed: 16428440 , PubMed: 28977666 , PubMed: 30397230 , PubMed: 9804427). Involved in transcriptional repression as part of the NuRD complex (PubMed: 27068747). Required for anchoring centrosomal pericentrin in both interphase and mitosis, for spindle organization and centrosome integrity (PubMed: 17626165).
Cellular Location	Nucleus, PML body. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Associates with centrosomes in interphase and mitosis (PubMed:17626165). Localizes to sites of DNA damage (PubMed:28977666)
Tissue Location	Widely expressed.

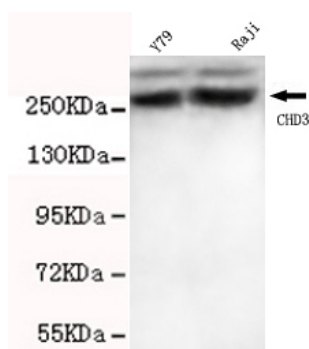
Background

Component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin by deacetylating histones. Required for anchoring centrosomal pericentrin in both interphase and mitosis, for spindle organization and centrosome integrity.

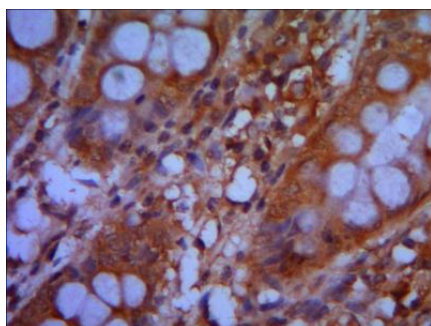
References

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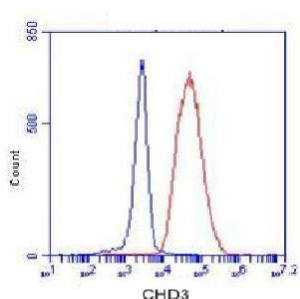
Images



Western blot detection of CHD3 (C-terminus) in Y79 and Raji cell lysates using CHD3 (C-terminus) mouse mAb (1:1000 diluted). Predicted band size: 226KDa. Observed band size: 260KDa.



IHC of paraffin-embedded human colon using anti-CHD3 (C-terminus) diluted 1/500-1/1000.



Flow Cytometry analysis of K562 cells stained with CHD3 (red, 1/100 dilution), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.

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