

CHD3 (C-terminus) Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52685

Product Information

Application	WB, ICC, IP
Primary Accession	Q12873
Reactivity	Human, Mouse
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).
Dilution	WB~~1:1000 ICC~~1:400 IP~~1:500
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
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.

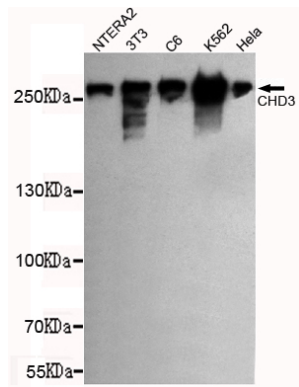
Background

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.

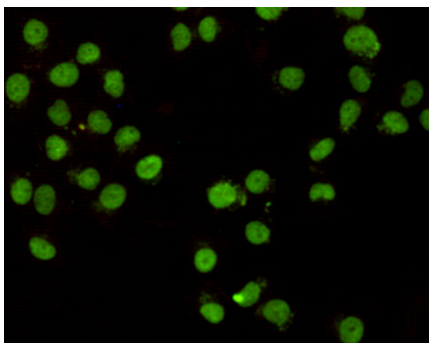
References

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Woodage T.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:11472-11477(1997).
Ge Q.,et al.J. Clin. Invest. 96:1730-1737(1995).

Images

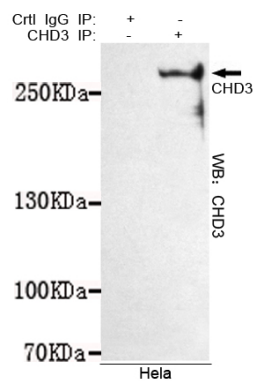


Western blot detection of CHD3 (C-terminus) in NTERA2,3T3,C6,K562 and HeLa cell lysates using CHD3 (C-terminus) mouse mAb (1:1000 diluted).Predicted band size: 260KDa.Observed band size: 260KDa.



Immunocytochemistry staining of HeLa cells fixed with -20°C Methanol and using CHD3 (C-terminus) mouse mAb (dilution 1:400).

Immunoprecipitation analysis of HeLa cell lysates using CHD3 mouse mAb.



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