

CHD3 (C-terminus) Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52685**Specification****CHD3 (C-terminus) Antibody - Product Information**

Application	WB, ICC, IP
Primary Accession	Q12873
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	260 KDa

CHD3 (C-terminus) Antibody - 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.

CHD3 (C-terminus) Antibody - 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

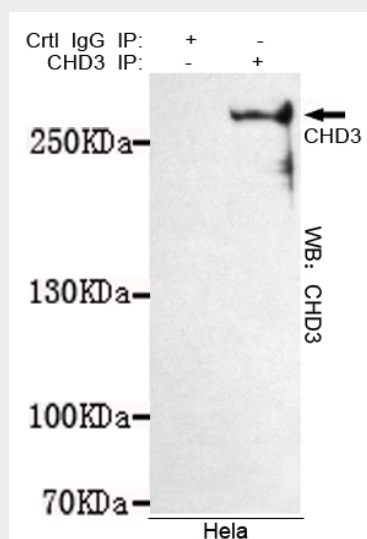
Widely expressed.

CHD3 (C-terminus) Antibody - Protocols

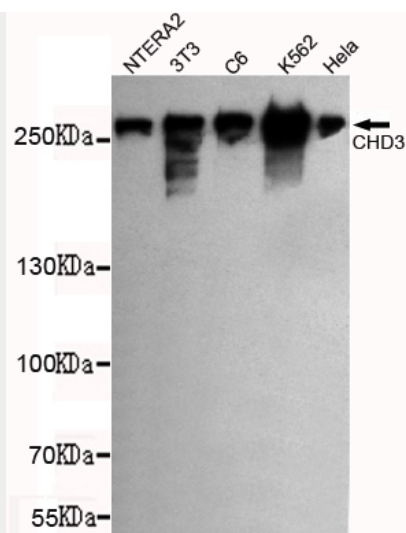
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

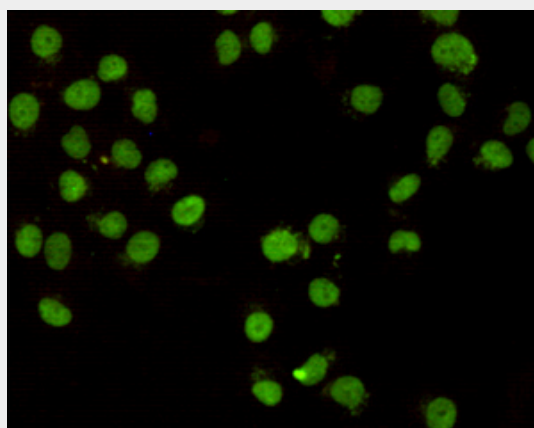
CHD3 (C-terminus) Antibody - Images



Immunoprecipitation analysis of HeLa cell lysates using CHD3 mouse mAb.



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: 260 kDa. Observed band size: 260 kDa.



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

CHD3 (C-terminus) Antibody - 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.

CHD3 (C-terminus) Antibody - References

Aubry F., et al. Eur. J. Biochem. 254:558-564(1998).
Zody M.C., et al. Nature 440:1045-1049(2006).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
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).