

CHD3 (C-terminus) Antibody
Affinity Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52684**Specification**

CHD3 (C-terminus) Antibody - Product Information

Application	WB, IHC, FC
Primary Accession	Q12873
Reactivity	Human
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

IHC~~1:500

FC~~1:100

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 -20 °C.Stable for 12 months from date of receipt

CHD3 (C-terminus) Antibody - Protein Information**Name** CHD3**Function**

ATP-dependent helicase 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:9804427, PubMed:30397230, PubMed:16428440, PubMed:28977666).

target="_blank">28977666). 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

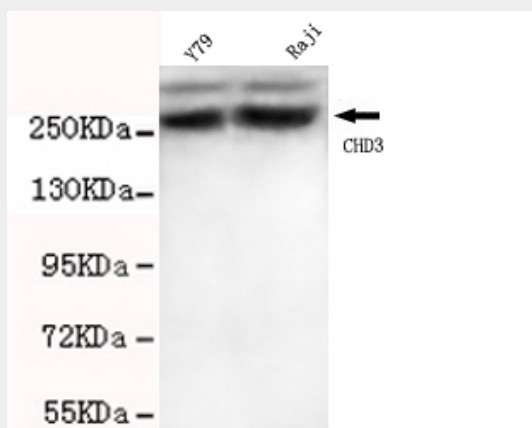
Widely expressed.

CHD3 (C-terminus) Antibody - Protocols

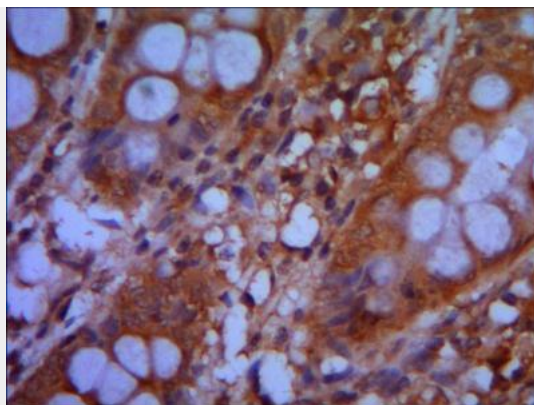
Provided below are standard protocols that you may find useful for product applications.

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

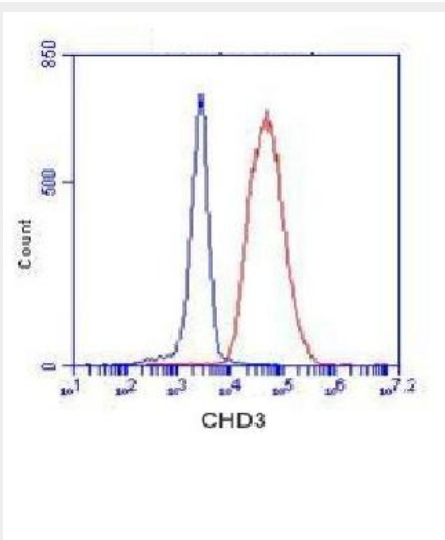
CHD3 (C-terminus) Antibody - Images



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.

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).