

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

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**CHD3 (C-terminus) Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC, FC            |
| Primary Accession | <a href="#">Q12873</a> |
| 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 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:<a href="http://www.uniprot.org/citations/28977666" target="\_blank">28977666</a>). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed:<a href="http://www.uniprot.org/citations/16428440" target="\_blank">16428440</a>, PubMed:<a href="http://www.uniprot.org/citations/28977666" target="\_blank">28977666</a>, PubMed:<a href="http://www.uniprot.org/citations/30397230" target="\_blank">30397230</a>, PubMed:<a href="http://www.uniprot.org/citations/9804427" target="\_blank">9804427</a>).

target="\_blank">9804427</a>). Involved in transcriptional repression as part of the NuRD complex (PubMed:<a href="http://www.uniprot.org/citations/27068747" target="\_blank">27068747</a>). Required for anchoring centrosomal pericentrin in both interphase and mitosis, for spindle organization and centrosome integrity (PubMed:<a href="http://www.uniprot.org/citations/17626165" target="\_blank">17626165</a>).

#### 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

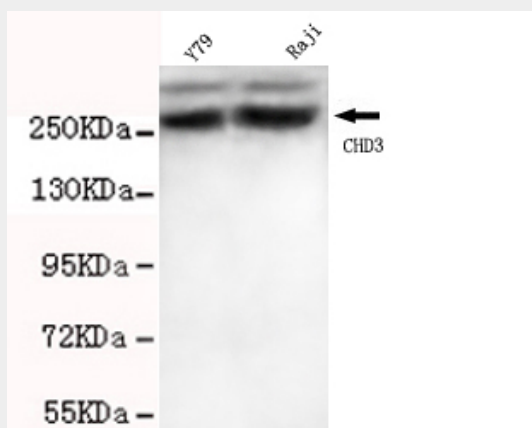
Widely expressed.

### CHD3 (C-terminus) Antibody - Protocols

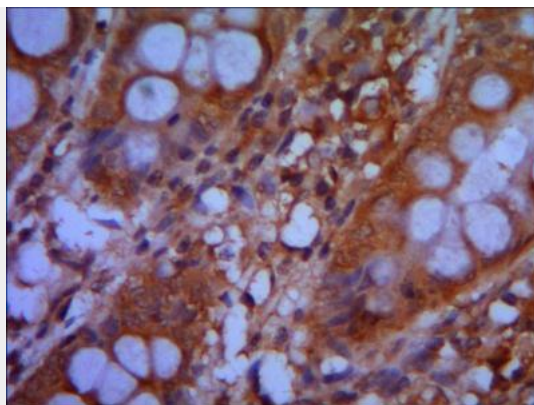
Provided below are standard protocols that you may find useful for product applications.

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

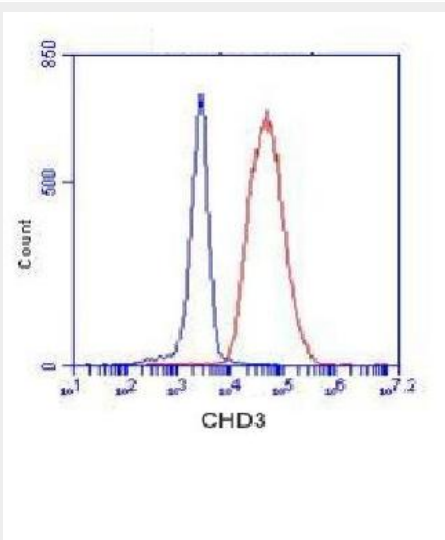
### CHD3 (C-terminus) Antibody - Images



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).