

For Research Use Only

# CHD3 Recombinant monoclonal antibody

Catalog Number: 86077-2-RR



## Basic Information

<b>Catalog Number:</b> 86077-2-RR	<b>GenBank Accession Number:</b> NM_005852	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul, Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1107	<b>CloneNo.:</b> 250644A12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q12873	<b>Recommended Dilutions:</b> WB: 1:1000-1:6000 IHC: 1:500-1:2000 IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> chromodomain helicase DNA binding protein 3	
	<b>Calculated MW:</b> 227 kDa	
	<b>Observed MW:</b> 250 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** HeLa cells, HEK-293 cells, MCF-7 cells, Raji cells, mouse brain tissue, rat brain tissue

**IHC:** mouse brain tissue,

**IF/ICC:** HeLa cells,

## Background Information

CHD3, also named as Mi2 ALPHA or Zinc finger helicase, is a 2000 amino acid protein, which contains one helicase C-terminal domain, one helicase ATP-binding domain, and two chromo domain. CHD3 localizes in the nucleus and cytoplasm. CHD3 is widely expressed. CHD3 is a component of the histone deacetylase NuRD complex, which participates in the remodeling of chromatin by deacetylating histones. CHD3 is required for anchoring centrosomal pericentric in both interphase and mitosis.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

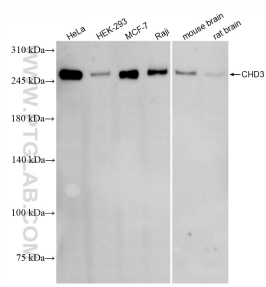
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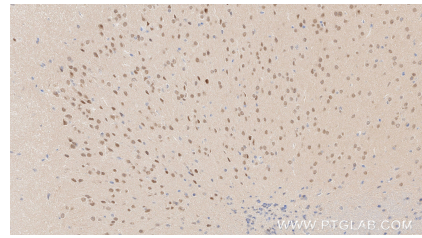
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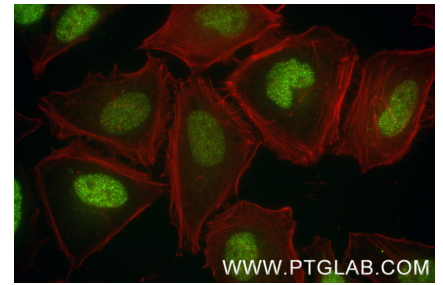
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86077-2-RR (CHD3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 86077-2-RR (CHD3 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CHD3 antibody (86077-2-RR, Clone: 250644A12) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).