

Recombinant CHD4 Monoclonal Antibody

catalog number: **AN301933L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

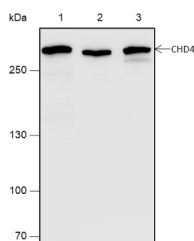
Description

Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human CHD4 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A649
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

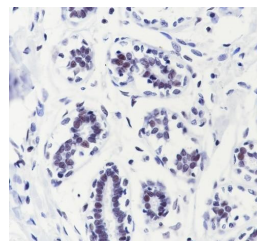
WB	1:1000-3000
IHC	1:50-100

Data

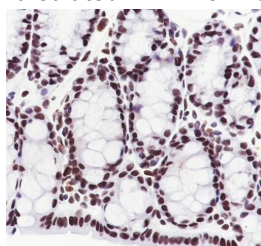


Western Blot with CHD4 Monoclonal Antibody at dilution of 1:3000. Lane 1: MCF-7, Lane 2: HeLa, Lane 3: C6

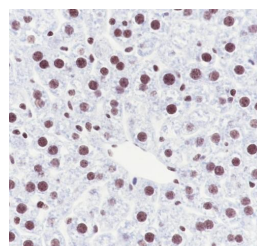
Observed-MW:280 kDa
Calculated-MW:218 kDa



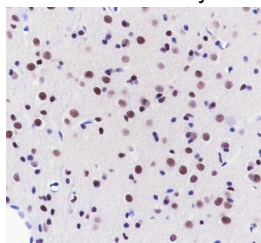
Immunohistochemistry of paraffin-embedded Human breast using CHD4 Monoclonal Antibody at dilution of 1:100.



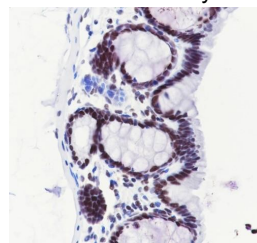
Immunohistochemistry of paraffin-embedded Mouse colon using CHD4 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Mouse liver using CHD4 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Rat brain using CHD4 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Rat colon using CHD4 Monoclonal Antibody at dilution of 1:100.

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.1

Shipping

Ice bag

Background

Chromodomain helicase DNA-binding protein 4 (CHD4) is an ATP dependent chromatin remodeler and a major subunit of the repressive NuRD complex. This complex plays key roles in transcriptional regulation and reorganization and maintenance of chromatin structure, as it targets pericentromeric heterochromatin and has recently been implicated in DNA damage repair, being rapidly recruited to DNA double strand breaks. CHD4 is a novel BRIT1 binding partner that regulates the HR repair process, which is a critical pathway of repairing DNA double strand breaks and plays an essential role in maintaining genomic integrity. The calculated molecular weight of CHD4 is 218 kDa, but modified CHD4 is about 250-280 kDa.

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.1