

Recombinant CHD3 Monoclonal Antibody

catalog number: AN301771L

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

Description

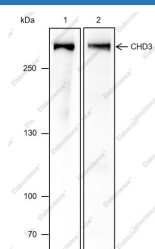
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human CHD3
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111393
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000-1:5000
IHC-P	1:100-1:200
ICC/IF	1:100-1:200
FCM	1:50-1:100

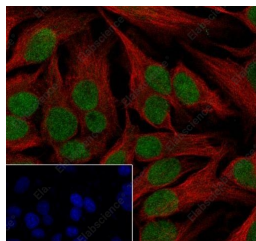
Data



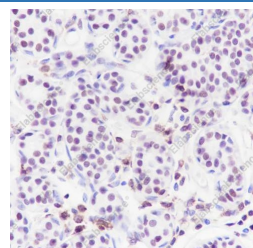
Western Blot with CHD3 Monoclonal Antibody at dilution of 1:1000. Lane 1: C6, Lane 2: HeLa

Observed-MW:260 kDa

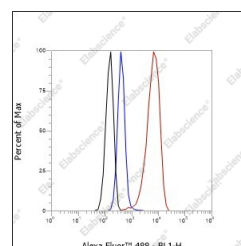
Calculated-MW:227 kDa



Immunofluorescent analysis of (100% Ice-cold methanol) fixed HeLa cells using anti-CHD3 Monoclonal Antibody at dilution of 1:50.



Immunohistochemistry of paraffin-embedded Human breast using CHD3 Monoclonal Antibody at dilution of 1:100.



Flow cytometric analysis of human CHD3 expression on HeLa cells. Cells were stained with purified anti-Human CHD3, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

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

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Rev. V1.4

Background

Chromodomain-helicase-DNA-binding protein 3(CHD3) is an enzyme that is encoded by the CHD3 gene in human. This gene encodes a member of the CHD family of proteins which are characterized by the presence of chromo (chromatin organization modifier) domains and SNF2-related helicase/ATPase domains. CHD3 is one of the components of a histone deacetylase complex referred to as the Mi-2/NuRD complex which participates in the remodeling of chromatin by deacetylating histones. Chromatin remodeling is essential for many processes including transcription. Mutations in CHD3 gene cause a neurodevelopmental syndrome with macrocephaly and impaired speech and language.

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