Recombinant CHD3 Monoclonal Antibody

catalog number: **AN301771L**

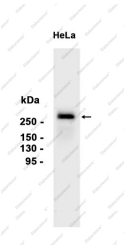
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human CHD3
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111393
Purification	Protein A affinity purification
Conjugation	Unconjugated
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	1:100-1:200
FCM	1:50-1:100

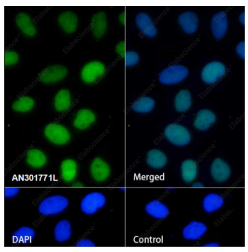
Data



Western blot analysis of HeLa cell lysates using CHD3 Antibody (AN301771L) at a dilution of 1:1000.

Observed-MW:260 kDa

Calculated-MW:227 kDa



Immunofluorescence analysis of HeLa cells using CHD3 Antibody(AN301771L). Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.

Preparation & Storage

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

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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