Recombinant CHD4 Monoclonal Antibody

catalog number: **AN301933L**

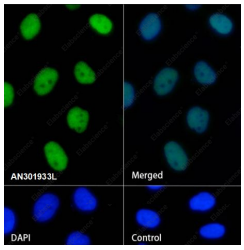
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Immunogen	A synthetic peptide of human CHD4
Host	Rabbit
Isotype	Rabbit IgG
Clone	C271554
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
ICC	1:200-1:500
IP	1:20-1:50
FCM	1:200-1:500

Data



Immunofluorescence analysis of HeLa cells using CHD4 Antibody(AN301933L). 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 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.

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