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Anti-CHD4 Rabbit Monoclonal Antibody

Catalog # ABO13560

Product Information

Application	WB, IF, ICC, FC
Primary Accession	Q14839
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-CHD4 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

Additional Information

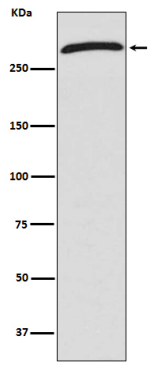
Gene ID	1108
Other Names	Chromodomain-helicase-DNA-binding protein 4, CHD-4, 3.6.4.12, ATP-dependent helicase CHD4, Mi-2 autoantigen 218 kDa protein, Mi2-beta, CHD4
Calculated MW	218005
Application Details	WB 1:1000-1:5000 ICC/IF 1:50-1:200 FC 1:50
Subcellular Localization	Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Associates with centrosomes in interphase..
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: ABEI-3
Immunogen	A synthesized peptide derived from human CHD4
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	CHD4

Function	ATP-dependent chromatin-remodeling factor that binds and distorts nucleosomal DNA (PubMed:28977666, PubMed:32543371). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed:16428440, PubMed:17626165, PubMed:28977666, PubMed:9804427). Localizes to acetylated damaged chromatin in a ZMYND8-dependent manner, to promote transcriptional repression and double-strand break repair by homologous recombination (PubMed:25593309). Involved in neurogenesis (By similarity).
Cellular Location	Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Associates with centrosomes in interphase (By similarity). Localizes to sites of DNA damage in a manner dependent on ZMYND8 and ZNF687 (PubMed:27732854, PubMed:28977666). {ECO:0000250|UniProtKB:Q6PDQ2, ECO:0000269|PubMed:27732854, ECO:0000269|PubMed:28977666}
Tissue Location	Widely expressed..

Images



Western blot analysis of CHD4 expression in 293T cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.