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Anti-CHD4 Antibody (clone 4H4)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17639

Product Information

Application	WB, IHC-P, E
Primary Accession	Q14839
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Names	4H4
Calculated MW	218005
Concentration (mg/ml)	0.38 mg/ml

Additional Information

Gene ID	1108
Alias Symbol	CHD4
Other Names	CHD4, ATP-dependent helicase CHD4, CHD-4, Mi-2b, Mi2-BETA
Reconstitution & Storage	Protein A purified
Precautions	Anti-CHD4 Antibody (clone 4H4) is for research use only and not for use in diagnostic or therapeutic procedures.

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..

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