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KD-Validated Anti-Chromodomain helicase DNA binding 4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1145

Product Information

Application	WB, FC, ICC
Primary Accession	Q14839
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB1310
Calculated MW	218005
Gene Name	CHD4
Aliases	CHD3; Chromodomain Helicase DNA Binding Protein 4; Chromodomain-Helicase-DNA-Binding Protein 4; Mi-2 Autoantigen 218 KDa Protein; ATP-Dependent Helicase CHD4; Mi2-BETA; Mi-2b; CHD-4; EC 3.6.4.12; MI2-BETA; Mi2-Beta; EC 3.6.1; SIHIWES; MI-2B
Immunogen	A synthesized peptide derived from human CHD4

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

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'.