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CHD3 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21796a

Product Information

Application	WB, E
Primary Accession	Q12873
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53666
Calculated MW	226592

Additional Information

Gene ID	1107
Other Names	Chromodomain-helicase-DNA-binding protein 3, CHD-3, ATP-dependent helicase CHD3, Mi-2 autoantigen 240 kDa protein, Mi2-alpha, Zinc finger helicase, hZFH, CHD3
Target/Specificity	This CHD3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 595-629 amino acids from human CHD3.
Dilution	WB~~1:1000-1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CHD3 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CHD3
Function	ATP-dependent chromatin-remodeling factor that binds and distorts nucleosomal DNA (PubMed:28977666). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin

	(PubMed:16428440, PubMed:28977666, PubMed:30397230, PubMed:9804427). Involved in transcriptional repression as part of the NuRD complex (PubMed:27068747). Required for anchoring centrosomal pericentrin in both interphase and mitosis, for spindle organization and centrosome integrity (PubMed:17626165).
Cellular Location	Nucleus, PML body. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Associates with centrosomes in interphase and mitosis (PubMed:17626165). Localizes to sites of DNA damage (PubMed:28977666)
Tissue Location	Widely expressed.

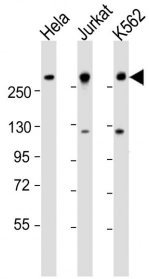
Background

Component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin by deacetylating histones. Required for anchoring centrosomal pericentrin in both interphase and mitosis, for spindle organization and centrosome integrity.

References

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Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Woodage T.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:11472-11477(1997).
Ge Q.,et al.J. Clin. Invest. 96:1730-1737(1995).

Images



All lanes : Anti-CHD3 Antibody (N-Term) at 1:1000-1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 227 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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