

CHD5 Polyclonal Antibody

Catalog NumberPA5-37148

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Published species	Mouse, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	A synthetic peptide corresponding to residues in human CHD5	Western Blot (WB)	
Conjugate	Unconjugated	1:500-1:1,000	
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7.2, with 50% glycerol		
Contains	0.02% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

This antibody detects endogenous protein at a molecular weight of 230-250 kDa. Purity is >95% by SDS-PAGE.

Background/Target Information

CHD5 (Chromodomain helicase DNA binding protein 5) is a member of the SNF2/RAD54 helicase family of chromatin remodeling and DNA-binding proteins (CDH proteins). Heavily expressed in both fetal and adult brain, CHD5 plays a role in nervous system development and acts as a tumor suppressor via the Arf/p53 pathway. CHD5, along with other chromo-domain proteins, forms remodeling complexes, such as NuRD, that promote normal neuroblast maturation and are thought to prevent overexpression of neuronal cells. Errors in these chromatin remodeling complexes can leave the cell in a perpetual state of growth, preventing differentiation and leading to tumor formation. Due to the importance of the CHD proteins in proper brain development, deletions in the gene encoding CHD5 are commonly found in neuroblastomas, suggesting that CHD5 deficiency may lead to malignant cell transformation and metastasis.

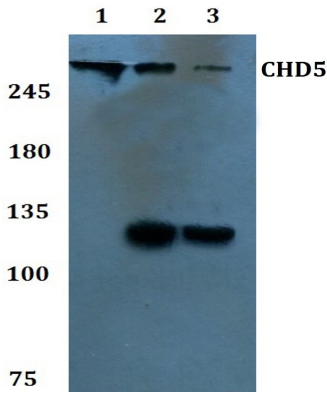
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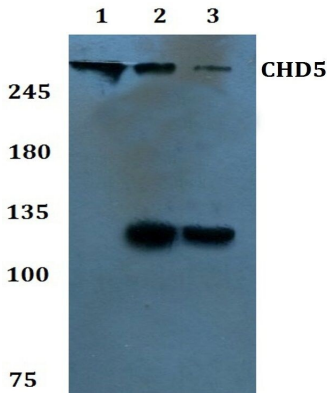
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Product Images For CHD5 Polyclonal Antibody



CHD5 Antibody (PA5-37148) in WB
Western blot analysis of CHD5 in Lane 1: HEK293T whole cell lysate, Lane 2: NIH-3T3 whole cell lysate, Lane 3: rat brain tissue lysate. Samples were incubated with CHD5 polyclonal antibody (Product # PA5-37148) at a dilution of 1:500.



CHD5 Antibody (PA5-37148) in WB
Western blot analysis of CHD5 using CHD5 polyclonal antibody (Product # PA5-37148) at a dilution of 1:500. Lane 1: HEK293T whole cell lysate, Lane 2: NIH-3T3 whole cell lysate, Lane 3: Rat brain tissue lysate.

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