

Rabbit anti-Human CHD2 Polyclonal Antibody | anti-CHD2 antibody

Anti-CHD2 Antibody

CATALOG # AAA125472	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Western Blot
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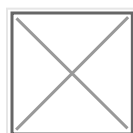
PRODUCT SYNONYMS

CHD2; Polyclonal Antibody; Anti-CHD2 Antibody; Chromodomain-helicase-DNA-binding protein 2 (EC:3.6.4.12); CHD-2; ATP-dependent helicase CHD2; anti-CHD2 antibody

PRODUCT SPECIFICATIONS

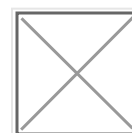
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	501
Applicable Applications for anti-CHD2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human CHD2 (DKLGEYKQPLPPLHPAVSDPRS).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Figure 1. Western blot analysis of CHD2 using anti-CHD2 antibody.



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-CHD2 antibody	Description: Rabbit IgG polyclonal antibody for CHD2 detection. Tested with WB, FCM in Human. Background: Chromodomain-helicase-DNA-binding protein 2 is an enzyme that in humans is encoded by the CHD2 gene. The CHD family of proteins is characterized by the presence of chromo (chromatin organization modifier) domains and SNF2-related helicase/ATPase domains. CHD genes alter gene expression possibly by modification of chromatin structure thus altering access of the transcriptional apparatus to its chromosomal DNA template. CHD2 catalyzes the assembly of chromatin into periodic arrays; and the N-terminal region of CHD2, which contains tandem chromodomains, serves an auto-inhibitory role in both the DNA-binding and ATPase activities of CHD2.
References	1. Carvill, G. L., Heavin, S. B., Yendle, S. C., McMahon, J. M., O'Roak, B. J., Cook, J., Khan, A., Dorschner, M. O., Weaver, M., Calvert, S., Malone, S., Wallace, G., and 22 others. Targeted resequencing in epileptic encephalopathies identifies de novo mutations in CHD2 and SYNGAP1. Nature Genet. 45: 825-830, 2013. 2. Kim, Y., Khoshkhoo, S., Frankowski, J. C., Zhu, B., Abbasi, S., Lee, S., Wu, Y. E., Hunt, R. F. Chd2 is necessary for neural circuit development and long-term memory. Neuron 100: 1180-1193, 2018. 3. Kulkarni, S., Nagarajan, P., Wall, J., Donovan, D. J., Donell, R. L., Ligon, A. H., Venkatachalam, S., Quade, B. J. Disruption of chromodomain helicase DNA binding protein 2 (CHD2) causes scoliosis. Am. J. Med. Genet. 146A: 1117-1127, 2008.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611184
NCBI GeneID	1106
NCBI Accession #	NP_001036037.1
NCBI GenBank Nucleotide #	NP_001036037.1
UniProt Accession #	O14647
NCBI Official Full Name	chromodomain-helicase-DNA-binding protein 2 isoform 2
NCBI Official Synonym Full Names	chromodomain helicase DNA binding protein 2
NCBI Official Symbol	CHD2
NCBI Official Synonym Symbols	EEOC
NCBI Protein Information	chromodomain-helicase-DNA-binding protein 2
UniProt Protein Name	Chromodomain-helicase-DNA-binding protein 2
UniProt Gene Name	CHD2
UniProt Synonym Gene Names	CHD-2
UniProt Entry Name	CHD2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chd2-antibody-flow-cytometry-western-blot-elisa/125472>