

Rabbit CHD4 Polyclonal Antibody | anti-CHD4 antibody

CHD4 Antibody

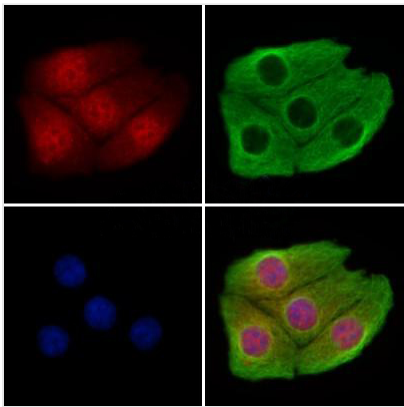
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31193	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Horse(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)	Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

CHD4; Polyclonal Antibody; CHD4 Antibody; ATP dependent helicase CHD4; ATP-dependent helicase CHD4; CHD 4; CHD-4; CHD4_HUMAN; Chromodomain helicase DNA binding protein 4; Chromodomain-helicase-DNA-binding protein 4; Mi 2 autoantigen 218 kDa protein; Mi 2b; Mi-2 autoantigen 218 kDa protein; Mi2 beta; Mi2-beta; anti-CHD4 antibody

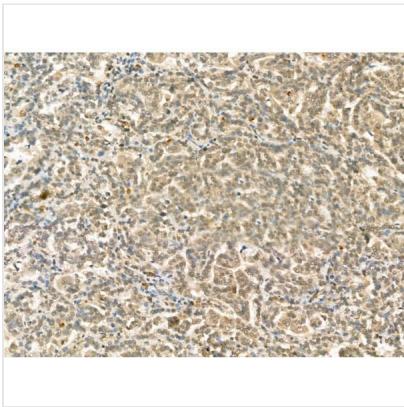
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Horse(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	CHD4 Antibody detects endogenous levels of total CHD4.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	1912
Applicable Applications for anti-CHD4 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human CHD4, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



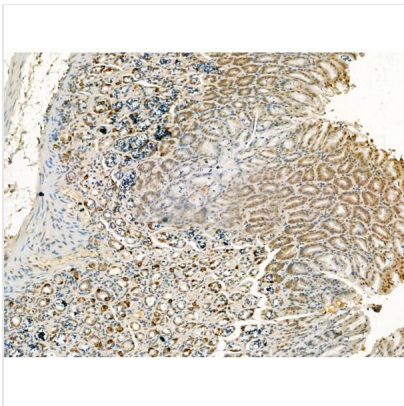
IF (Immunofluorescence)

AAA31193 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31193 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry-Paraffin)

AAA31193 at 1/100 staining Human kidney cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



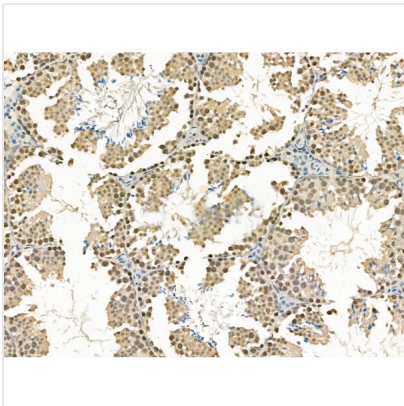
IHC (Immunohistochemistry-Paraffin)

AAA31193 at 1/100 staining Mouse stomach tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31193 at 1/100 staining Mouse colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31193 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31193 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CHD4 antibody	Function: Component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin by deacetylating histones. Subcellular Location: Nucleus. Cytoplasm>Cytoskeleton>Microtubule organizing center>Centrosome. Note: Associates with centrosomes in interphase. Subunit Structure: Interacts with KLF1; the interaction depends on sumoylation of KLF1, and leads to its transcriptional repression (By similarity). Interacts directly with IKFZ1 in the NuRD complex. Central component of the nucleosome remodeling and histone deacetylase (NuRD) repressor complex (PubMed:9804427, PubMed:10204490, PubMed:15454082). Part of a complex containing ATR and HDAC2 (PubMed:10545197). Interacts with TRIM27 (PubMed:14530259). Interacts with ZGPAT; the interaction is direct (PubMed:19644445). Interacts with BCL6 (PubMed:15454082). Interacts with BRD4 (PubMed:21555454). Interacts with PCNT (PubMed:17626165). Interacts with SETX (PubMed:23149945). Interacts with HDAC1 (PubMed:27616479). Similarity: Belongs to the SNF2/RAD54 helicase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51599156
NCBI GeneID	1108
NCBI Accession #	NP_001264.2
NCBI GenBank Nucleotide #	NP_001264.2
UniProt Accession #	Q14839
Molecular Weight	Observed Molecular Weight: (Observed)218kD. Predicted Molecular Weight: (Calculated)218kDa.
NCBI Official Full Name	chromodomain-helicase-DNA-binding protein 4 isoform 1
NCBI Official Synonym Full Names	chromodomain helicase DNA binding protein 4
NCBI Official Symbol	CHD4
NCBI Official Synonym Symbols	CHD-4; Mi-2b; SIHIWES; Mi2-BETA
NCBI Protein Information	chromodomain-helicase-DNA-binding protein 4
UniProt Protein Name	Chromodomain-helicase-DNA-binding protein 4
UniProt Gene Name	CHD4
UniProt Synonym Gene Names	CHD-4
UniProt Entry Name	CHD4_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.