



Datasheet for ABIN6260798 anti-CHD8 antibody (C-Term)

3 Images

[Go to Product page](#)

Overview

Quantity: 100 µL

Target: CHD8

Binding Specificity: C-Term

Reactivity: Human, Mouse, Rat

Host: Rabbit

Clonality: Polyclonal

Conjugate: This CHD8 antibody is un-conjugated

Application: Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen: A synthesized peptide derived from human CHD8, corresponding to a region within C-terminal amino acids.

Isotype: IgG

Specificity: CHD8 Antibody detects endogenous levels of total CHD8.

Predicted Reactivity: Bovine, Horse, Sheep, Dog, Xenopus

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target: CHD8

Target Details

Alternative Name:	CHD8 (CHD8 Products)
Background:	Description: DNA helicase that acts as a chromatin remodeling factor and regulates transcription. Acts as a transcription repressor by remodeling chromatin structure and recruiting histone H1 to target genes. Suppresses p53/TP53-mediated apoptosis by recruiting histone H1 and preventing p53/TP53 transactivation activity. Acts as a negative regulator of Wnt signaling pathway by regulating beta-catenin (CTNNB1) activity. Negatively regulates CTNNB1-targeted gene expression by being recruited specifically to the promoter regions of several CTNNB1 responsive genes. Involved in both enhancer blocking and epigenetic remodeling at chromatin boundary via its interaction with CTCF. Acts as a suppressor of STAT3 activity by suppressing the LIF-induced STAT3 transcriptional activity. Also acts as a transcription activator via its interaction with ZNF143 by participating in efficient U6 RNA polymerase III transcription. Gene: CHD8
Molecular Weight:	290kDa
Gene ID:	57680
UniProt:	Q9HCK8
Pathways:	Chromatin Binding

Application Details

Application Notes:	WB 1:1000-3000, IHC 1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

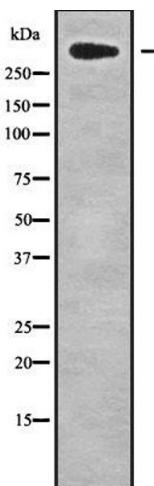
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

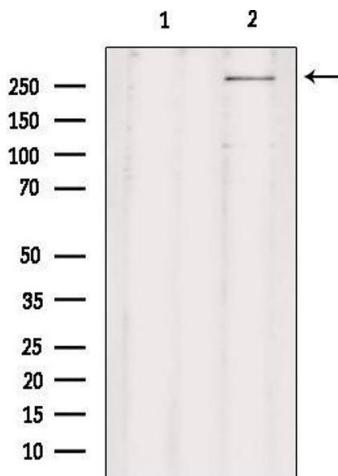
Expiry Date: 12 months

Images



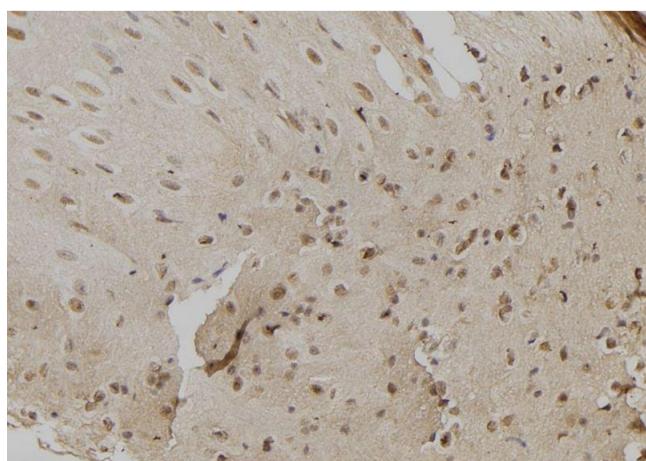
Western Blotting

Image 1. Western blot analysis of CHD8 using HepG2 whole cell lysates



Western Blotting

Image 2. Western blot analysis of extracts from rat brain, using CHD8 Antibody. Lane 1 was treated with the blocking peptide.



Immunohistochemistry

Image 3. ABIN6279296 at 1/100 staining Mouse liver 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 antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary