

A5829

Leader in Biomolecular Solutions for Life Science



[KO Validated] HDAC8 Rabbit pAb

Catalog No.: A5829

KO Validated

5 Publications

Basic Information

Observed MW

45kDa

Calculated MW

42kDa

Category

Polyclonal Antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class I of the histone deacetylase family. It catalyzes the deacetylation of lysine residues in the histone N-terminal tails and represses transcription in large multiprotein complexes with transcriptional co-repressors. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

55869

Swiss Prot

Q9BY41

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-377 of human HDAC8 (NP_060956.1).

Synonyms

HD8; WTS; RPD3; CDA07; CDLS5; KDAC8; MRXS6; HDACL1; C8

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

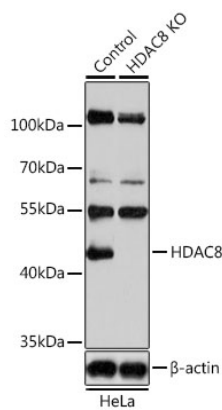
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

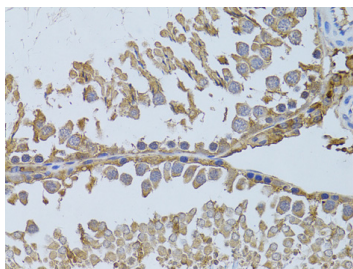
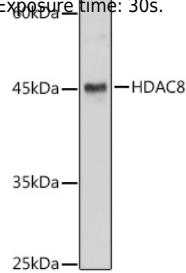
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data

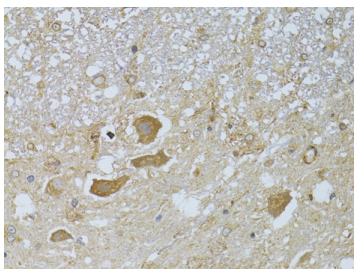


Western blot analysis of extracts from normal (control) and HDAC8 knockout (KO) HeLa cells, using HDAC8 antibody (A5829) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

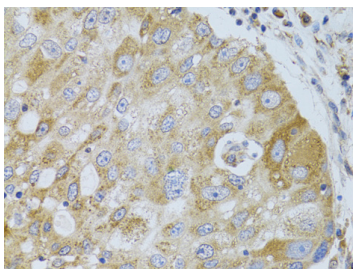
Western blot analysis of extracts of C6 cells, using HDAC8 antibody (A5829) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded rat testis using HDAC8 antibody (A5829) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat spinal cord using HDAC8 antibody (A5829) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human breast cancer using HDAC8 antibody (A5829) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.