

HDAC6 Rabbit pAb

Catalog No.: A27908

Basic Information

Observed MW

140kDa

Calculated MW

126kDa

Category

Primary antibody

Applications

WB,IF/ICC,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

Enables several functions, including cytoskeletal protein binding activity; protein lysine deacetylase activity; and ubiquitin binding activity. Involved in several processes, including positive regulation of type 2 mitophagy; protein destabilization; and tubulin deacetylation. Acts upstream of or within several processes, including aggresome assembly; neuron projection morphogenesis; and protein modification process. Located in several cellular components, including dendrite; microtubule cytoskeleton; and perikaryon. Part of cytoplasmic ubiquitin ligase complex. Is expressed in several structures, including central nervous system; early embryo; gut gland; lung; and metanephros. Human ortholog(s) of this gene implicated in chondrodysplasia with platyspondyly, distinctive brachydactyly, hydrocephaly, and microphthalmia and polycystic liver disease 1. Orthologous to human HDAC6 (histone deacetylase 6).

Recommended Dilutions

WB 1:3000 - 1:18000**IF/ICC** 1:100 - 1:200**IHC-P** 1:200 - 1:800**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

15185

Swiss Prot

Q9Z2V5

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

Hd6; Sfc6; Hdac5; mHDA2

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

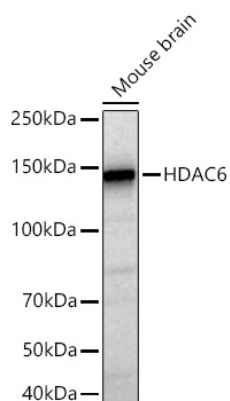
Affinity purification

Storage

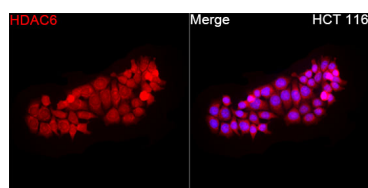
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

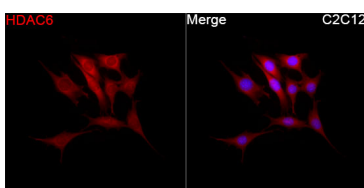
Validation Data



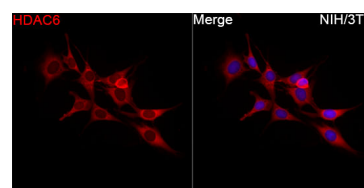
Western blot analysis of lysates from Mouse brain using HDAC6 Rabbit pAb (A27908) at 1:3000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



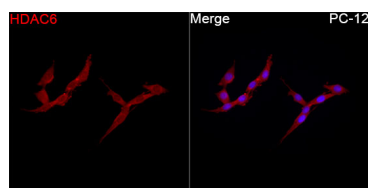
Immunofluorescence analysis of HCT 116 cells using HDAC6 Rabbit pAb (A27908) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



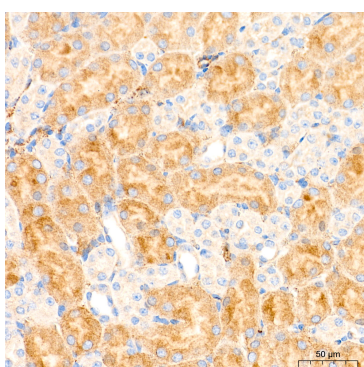
Immunofluorescence analysis of C2C12 cells using HDAC6 Rabbit pAb (A27908) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



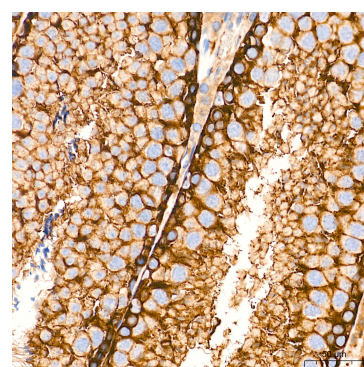
Immunofluorescence analysis of NIH/3T3 cells using HDAC6 Rabbit pAb (A27908) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using HDAC6 Rabbit pAb (A27908) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

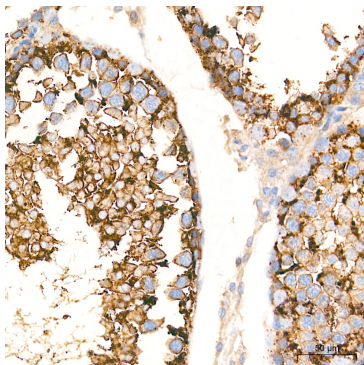


Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using HDAC6 Rabbit pAb (A27908) at a dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using HDAC6 Rabbit pAb (A27908) at a dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using HDAC6 Rabbit pAb (A27908) at a dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.