

Product datasheet

Anti-HDAC6 antibody ab233520

5 Images

Overview

Product name	Anti-HDAC6 antibody
Description	Rabbit polyclonal to HDAC6
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human, Pig
Immunogen	Recombinant fragment (His-tag) corresponding to Human HDAC6 aa 150-350. N-terminal tag. (Expressed in E.coli). Database link: Q9UBN7-1 Run BLAST with Run BLAST with
Positive control	WB: Pig kidney lysate; Recombinant human HDAC6 protein. IHC-P: Human kidney, liver and liver cancer tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 44.12% PBS, 55.77% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab233520 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 2 µg/ml.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

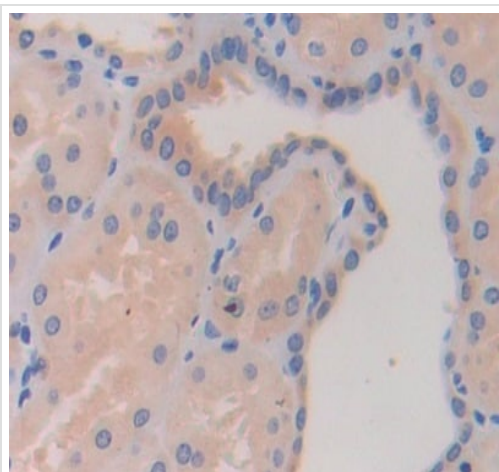
Function Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes (By similarity). Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin.

Sequence similarities Belongs to the histone deacetylase family. HD type 2 subfamily. Contains 1 UBP-type zinc finger.

Post-translational modifications Ubiquitinated. Its polyubiquitination however does not lead to its degradation. Sumoylated in vitro.

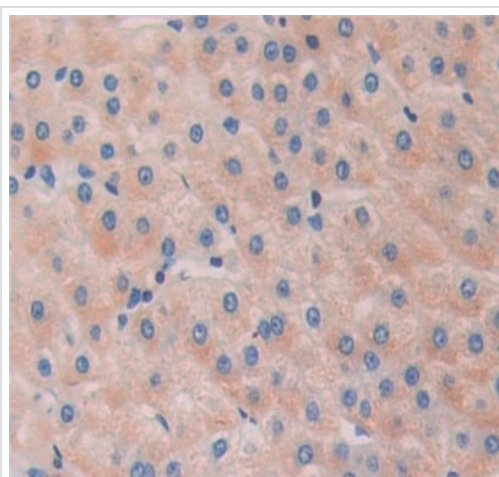
Cellular localization Nucleus. Cytoplasm. It is mainly cytoplasmic, where it is associated with microtubules.

Images



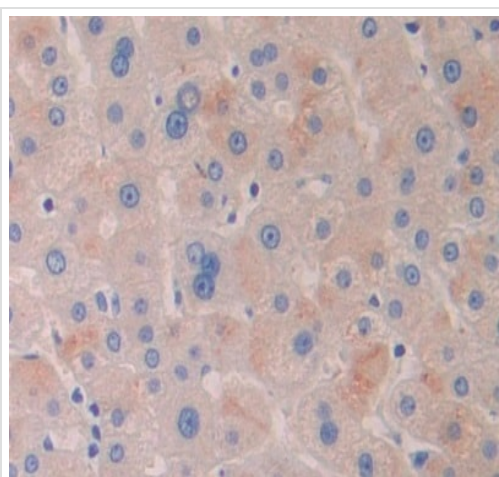
Formalin-fixed, paraffin-embedded human kidney tissue stained for HDAC6 using ab233520 at 30 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HDAC6 antibody (ab233520)



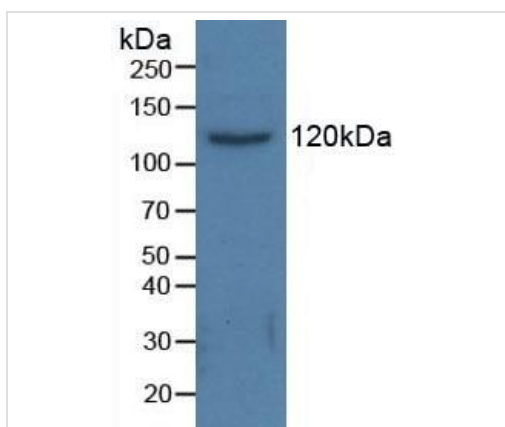
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HDAC6 antibody (ab233520)

Formalin-fixed, paraffin-embedded human liver cancer tissue stained for HDAC6 using ab233520 at 30 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HDAC6 antibody (ab233520)

Formalin-fixed, paraffin-embedded human liver tissue stained for HDAC6 using ab233520 at 30 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.

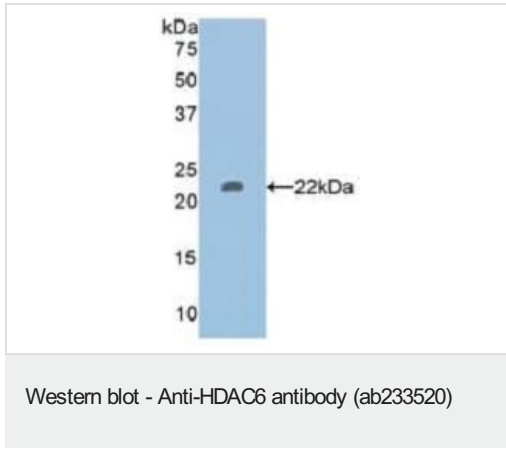


Western blot - Anti-HDAC6 antibody (ab233520)

Anti-HDAC6 antibody (ab233520) at 2 $\mu\text{g/ml}$ + Pig kidney lysate

Secondary

HRP-Linked Guinea pig anti-rabbit at 1/2000 dilution



Anti-HDAC6 antibody (ab233520) at 2 µg/ml + Recombinant human HDAC6 protein

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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