



[Go to Product page](#)

Datasheet for ABIN6262182
anti-HDAC5 antibody (C-Term)

5 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | HDAC5 |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | A synthesized peptide derived from human HDAC5, corresponding to a region within C-terminal amino acids. |
| Isotype: | IgG |
| Specificity: | HDAC5 Antibody detects endogenous levels of total HDAC5. |
| Predicted Reactivity: | Bovine,Horse,Sheep,Rabbit,Dog |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

| | |
|-------------------|--|
| Target: | HDAC5 |
| Alternative Name: | HDAC5 (HDAC5 Products) |

Target Details

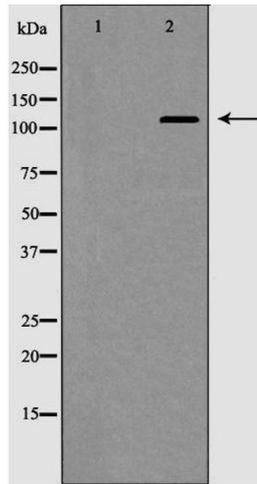
| | |
|-------------------|---|
| Background: | Description: Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation by repressing transcription of myocyte enhancer MEF2C. During muscle differentiation, it shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors. Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer. Gene: HDAC5 |
| Molecular Weight: | 122 kDa |
| Gene ID: | 10014 |
| UniProt: | Q9UQL6 |
| Pathways: | Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development , Monocarboxylic Acid Catabolic Process |

Application Details

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|--------------------|---|
| Application Notes: | WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

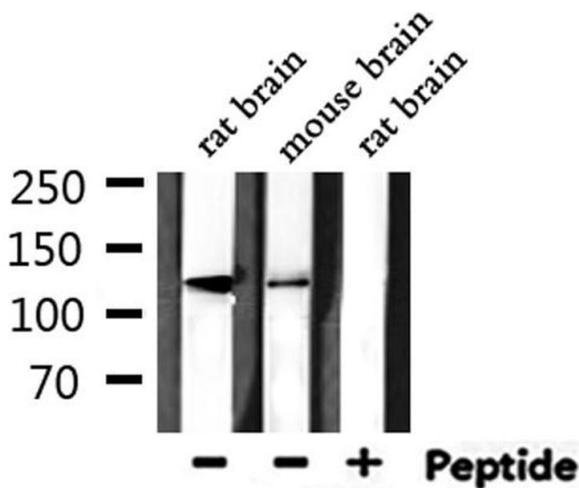
Handling

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



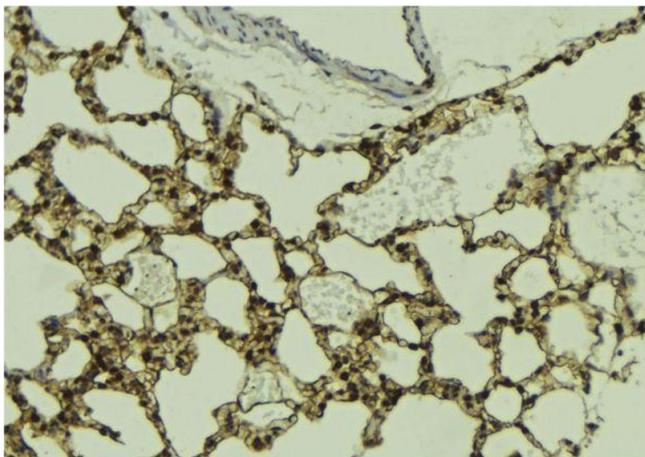
Western Blotting

Image 1. Western blot analysis of HDAC5 expression in HepG2 cell extract. The lane on the left is treated with the antigen-specific peptide.



Western Blotting

Image 2. Western blot analysis of extracts from rat brain, mouse brain, using HDAC5 Antibody.



Immunohistochemistry

Image 3. ABIN6268895 at 1/100 staining Mouse lung 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.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6262182.