

Datasheet for ABIN387964

**anti-HDAC11 antibody (N-Term)**

4 Images

1 Publication

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## Overview

Quantity:	400 µL
Target:	HDAC11
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC11 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This HDAC11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HDAC11.
Clone:	RB2588
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	HDAC11
Alternative Name:	HDAC11 ( <a href="#">HDAC11 Products</a> )

## Target Details

**Background:** HDAC11 is 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. The predominantly nuclear HDAC11, which interacts with HDAC6, is weakly expressed in most tissues, and strongly expressed in brain, heart, skeletal muscle, kidney and testis. Its activity is inhibited by trapoxin, a known histone deacetylase inhibitor.

**Molecular Weight:** 39183

**Gene ID:** 79885

**NCBI Accession:** [NP\\_001129513](#), [NP\\_079103](#)

**UniProt:** [Q96DB2](#)

## Application Details

**Application Notes:** WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

**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:** 4 °C, -20 °C

**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

**Expiry Date:** 6 months

## Publications

**Product cited in:** Yang, Zhao, Mei, Jiang, Geng, Li, Yao, Liu, Kong, Cao: "HMGA2 plays an important role in Cr (VI)-induced autophagy." in: **International journal of cancer**, Vol. 141, Issue 5, pp. 986-997, (2017) ([PubMed](#)).

Chen, Cao, Zhou, Liu, Che, Mizumura, Li, Choi, Shen: "Interaction of caveolin-1 with ATG12-ATG5 system suppresses autophagy in lung epithelial cells." in: **American journal of physiology. Lung cellular and molecular physiology**, Vol. 306, Issue 11, pp. L1016-25, (2014) ([PubMed](#)).

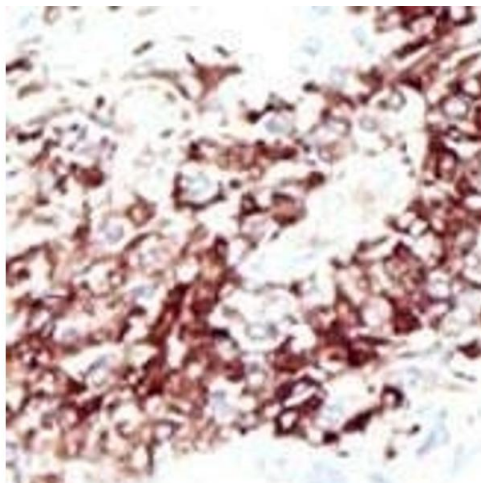
Sanchez, Penforinis, Oskowitz, Boonjindasup, Cai, Dhule, Rowan, Kelekar, Krause, Pochampally: "Activation of autophagy in mesenchymal stem cells provides tumor stromal support." in: **Carcinogenesis**, Vol. 32, Issue 7, pp. 964-72, (2011) ([PubMed](#)).

Yee, Wilkinson, James, Ryan, Vousden: "PUMA- and Bax-induced autophagy contributes to apoptosis." in: **Cell death and differentiation**, Vol. 16, Issue 8, pp. 1135-45, (2009) ([PubMed](#)).

Harada, Willison, Sakakibara, Miyamoto, Fujita, Taniguchi: "Absence of the type I IFN system in EC cells: transcriptional activator (IRF-1) and repressor (IRF-2) genes are developmentally regulated." in: **Cell**, Vol. 63, Issue 2, pp. 303-12, (1990) ([PubMed](#)).

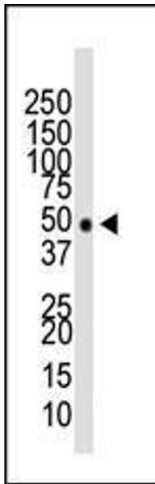
## Images

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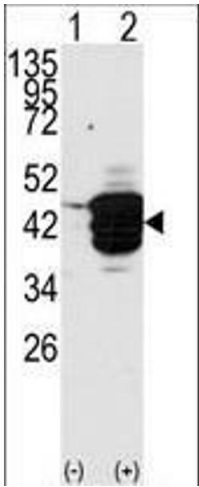
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



#### Western Blotting

**Image 2.** Western blot analysis of anti-HDAC11 Pab (ABIN387964 and ABIN2844702) in mouse brain tissue lysate. HDAC11 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



#### Western Blotting

**Image 3.** Western blot analysis of HDAC11 (arrow) using HDAC11 Antibody (N-term) (ABIN387964 and ABIN2844702). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the HDAC11 gene (Lane 2) (Origene Technologies).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN387964.