



[Go to Product page](#)

Datasheet for ABIN7101453

## anti-HDAC9 antibody

### 4 Images

#### Overview

Quantity:	20 µL
Target:	HDAC9
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This HDAC9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

#### Product Details

Immunogen:	A synthesized peptide derived from human HDAC9
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

#### Target Details

Target:	HDAC9
Alternative Name:	HDAC9 ( <a href="#">HDAC9 Products</a> )
Background:	Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and

## Target Details

---

affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined. [provided by RefSeq, Jul 2008],HD7, HD7b, HD9, HDAC, HDAC7, HDAC7B, HDAC9B, HDAC9FL, HDRP, MITR,Cardiovascular,Epigenetics & Nuclear Signaling,Heart,Heart\_Hypertrophy,Immunology & Inflammation,NF-kB Signaling Pathway,Nuclear Receptor Signaling,HDAC9

---

Molecular Weight: 160 kDa

---

Gene ID: 9734

---

UniProt: [Q9UKV0](#)

---

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

## Application Details

---

---

Application Notes: WB,1:500 - 1:2000, IHC,1:50 - 1:200, IF,1:50 - 1:200

---

Restrictions: For Research Use only

## Handling

---

---

Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

---

Preservative: Sodium azide

---

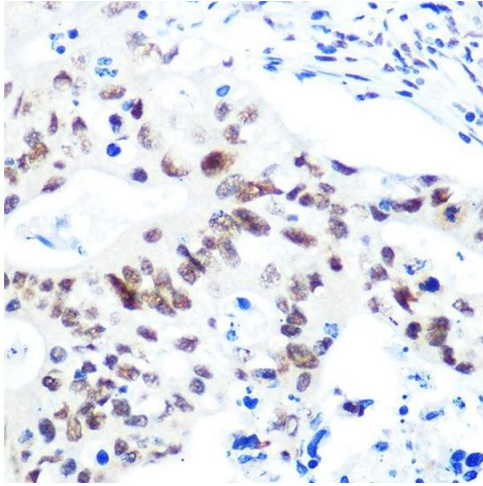
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

---

Storage: -20 °C

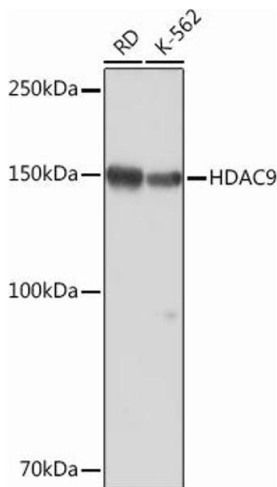
---

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



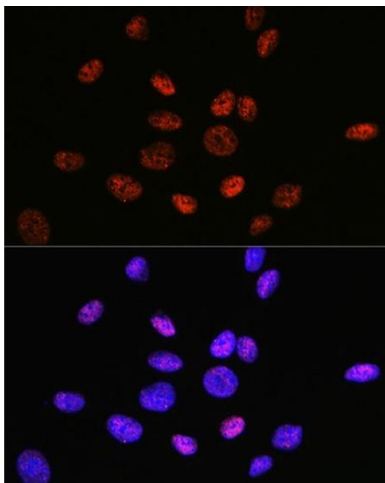
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human colon carcinoma using HD Rabbit mAb (ABIN1680476, ABIN3015870, ABIN3015871 and ABIN7101453) 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.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using HD Rabbit mAb (ABIN1680476, ABIN3015870, ABIN3015871 and ABIN7101453) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) 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: 3 min.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of U-2 OS cells using HD Rabbit mAb (ABIN1680476, ABIN3015870, ABIN3015871 and ABIN7101453) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7101453.