

**HDAC11 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10456****Specification**

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**HDAC11 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q96DB2</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39183

**HDAC11 Antibody - Additional Information****Gene ID** 79885**Application & Usage****Western blotting (0.5-4 µg/ml), However, the optimal concentrations should be determined individually. The antibody recognizes 39 kDa HDAC-11 of human, mouse, and rat origins****Other Names**

HD11 , Histone deacetylase 11

**Target/Specificity**

HDAC11

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.2 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

HDAC11 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **HDAC11 Antibody - Protein Information**

**Name** HDAC11

### **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.

### **Cellular Location**

Nucleus.

### **Tissue Location**

Weakly expressed in most tissues. Strongly expressed in brain, heart, skeletal muscle, kidney and testis

## **HDAC11 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **HDAC11 Antibody - Images**

## **HDAC11 Antibody - Background**

HDAC family are divided into two classes, I and II. Class I of the HDAC family comprises four members, HDAC-1, 2, 3, and 8. Class II of the HDAC family comprises HDAC-4, 5, 6, and 7, the molecular weights of which are all about two-fold larger than those of the class I members. Human HDAC-1, 2 and 3 were expressed in various tissues, but the others (HDAC-4, 5, 6, and 7) showed tissue-specific expression patterns. These results suggest that each member of the HDAC family exhibits a different, individual substrate specificity and function in vivo.