

## ARG20183 anti-HDAC6 antibody

Package: 50 µg, 25 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes HDAC6
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Specificity	The antibody detects ~134 kDa HDAC-6. The antibody does not cross-react with other HDAC proteins including HDAC1, 2, 3, 4, 5, 7, and 8.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HDAC6
Species	Mouse
Immunogen	Synthetic peptide mapping to the N-terminus of mouse HDAC-6
Conjugation	Un-conjugated
Alternate Names	HD6; EC 3.5.1.98; PPP1R90; CPBHM; JM21; Histone deacetylase 6

### Application Instructions

Application table	Application	Dilution
	IHC-P	20 µg/ml T
	WB	0.5-4 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat cell lysate can be used as a positive control.	

### Properties

Form	Liquid
Purification	Affinity Purified Antibody
Buffer	PBS (pH 7.2), 30% Glycerol, 0.5% BSA and 0.01% Thimerosal
Preservative	0.01% Thimerosal
Stabilizer	30% Glycerol, 0.5% BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

---

**Database links**

[GeneID: 10013 Human](#)

[GeneID: 15185 Mouse](#)

[Swiss-port # Q9UBN7 Human](#)

[Swiss-port # Q9Z2V5 Mouse](#)

**Gene Symbol**

HDAC6

**Gene Full Name**

histone deacetylase 6

**Background**

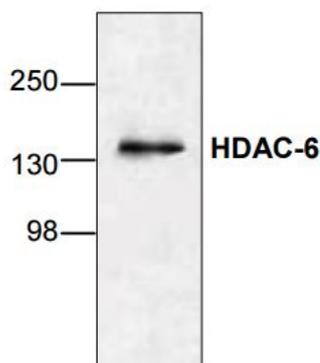
Human HDAC6 (1215 a.a. residues) possesses two separate putative catalytic domains, both of which are fully functional and contribute independently to the overall activity of HDAC6. A very potent NES is present at the amino-terminus of HDAC6, which was found to play an important role in regulating the shuttling of HDAC6 protein between cytoplasm and nucleus. The shuttling process may be a critical regulatory mechanism of HDAC6 function. HDAC6 may participate in coordinating expression of a group of genes involved in the remodeling of chromatin during cell differentiation.

**Calculated Mw**

131 kDa

## Images

---

**ARG20183 anti-HDAC6 antibody WB image**

Western Blot: Jurkat cell lysate stained with anti-HDAC6 antibody (ARG20183).

The antibody detects ~134 kDa HDAC-6. Jurkat cell lysate can be used as a positive control. The antibody does not cross-react with other HDAC proteins including HDAC1, 2, 3, 4, 5, 7, and 8.