

ARG20184 anti-HDAC7 antibody

Package: 50 µg, 25 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HDAC7
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Specificity	The antibody detects ~105 kDa HDAC7. The antibody does not recognize other members of the HDAC family.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HDAC7
Immunogen	Synthetic peptide surrounding amino acid 921 of murine HDAC7
Conjugation	Un-conjugated
Alternate Names	HD7; Histone deacetylase 7A; EC 3.5.1.98; Histone deacetylase 7; HD7a; HD7A; HDAC7A

Application Instructions

Application table	Application	Dilution
	IHC-P	20-40 µg/ml
	IP	20-40 µg/ml
	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	Mouse small intestine tissue lysate can be use 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: 51564 Human](#)

[GeneID: 56233 Mouse](#)

[Swiss-port # Q8C2B3 Mouse](#)

[Swiss-port # Q8WUI4 Human](#)

Gene Symbol

HDAC7

Gene Full Name

histone deacetylase 7

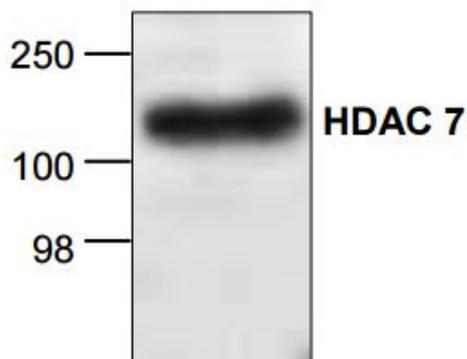
Background

Human HDAC7 is composed of 912 amino acid residues. Although HDAC7 is localized mostly to the cell nucleus, it is also found in the cytoplasm, suggesting nucleo-cytoplasmic shuttling. The histone deacetylase activity of HDAC7 maps to a carboxy-terminal domain and is dependent on interaction with class I HDACs in the nucleus. HDAC7 catalyzes removal of acetyl-groups from acetyl-lysines of histones and promotes compaction of chromatin in these regions, leading to the inhibition of gene transcription.

Calculated Mw

103 kDa

Images

**ARG20184 anti-HDAC7 antibody WB image**

Western Blot: Mouse small intestine tissue lysate stained with anti-HDAC7 antibody (ARG20184).

The antibody detects ~105 kDa HDAC7. Mouse small intestine tissue lysate can be used as a positive control. The antibody does not recognize other members of the HDAC family.