

## ARG41770 anti-HDAC11 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes HDAC11
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HDAC11
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 47-81 of Human HDAC11. (NFLKEEKLLSDSMLVEAREASEEDLLVVHTRRYLN)
Conjugation	Un-conjugated
Alternate Names	HD11; EC 3.5.1.98; Histone deacetylase 11

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 39 kDa	

### Properties

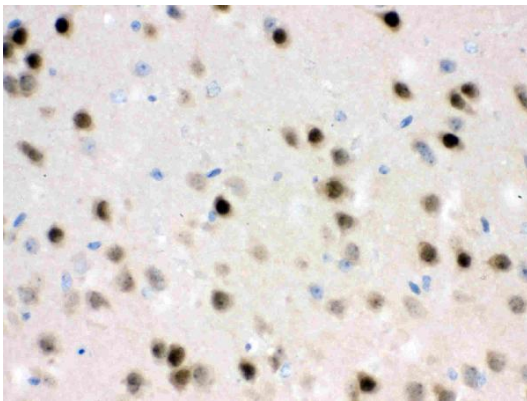
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. 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

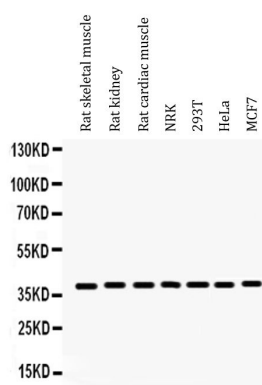
Gene Symbol	HDAC11
Gene Full Name	histone deacetylase 11
Background	This gene encodes a class IV histone deacetylase. The encoded protein is localized to the nucleus and may be involved in regulating the expression of interleukin 10. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Apr 2009]
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. [UniProt]
Calculated Mw	39 kDa
Cellular Localization	Nucleus. Note=Predominantly nuclear. [UniProt]

## Images



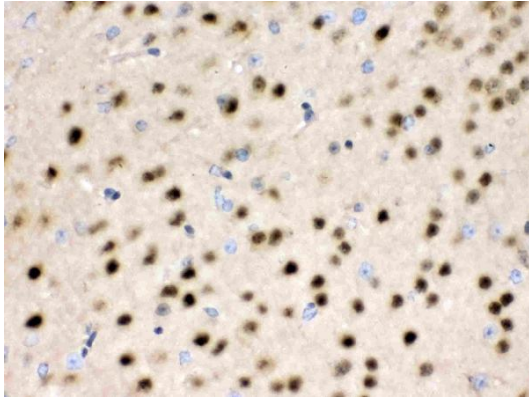
ARG41770 anti-HDAC11 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain tissue stained with ARG41770 anti-HDAC11 antibody.



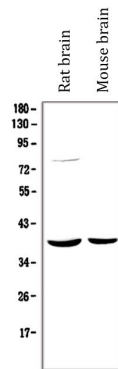
ARG41770 anti-HDAC11 antibody WB image

Western blot: 50 µg of Rat skeletal muscle, 50 µg of Rat kidney, 50 µg of Rat cardiac muscle, 40 µg of NRK, 40 µg of 293T, 40 µg of HeLa and 40 µg of MCF7 whole cell lysates stained with ARG41770 anti-HDAC11 antibody at 0.5 µg/ml dilution.



ARG41770 anti-HDAC11 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue stained with ARG41770 anti-HDAC11 antibody.



ARG41770 anti-HDAC11 antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat brain and Mouse brain lysates stained with ARG41770 anti-HDAC11 antibody at 0.5 µg/ml dilution, overnight at 4°C.