

Histone Deacetylase 6 (HDAC6) Polyclonal Antibody

CATALOG NO:	3606-30T 30 µg (Trial size)
	3606-100 100 µg
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide mapping to the N-terminus of mouse HDAC-6 (ID# BV-48).
REACTIVITY:	Human, Mouse, Rat

FORMULATION:

0.5 mg/ml affinity purified rabbit anti-HDAC6 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin.

STORAGE CONDITIONS:

Store at -20° C. For long-term storage, aliquot and freeze at -70° C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

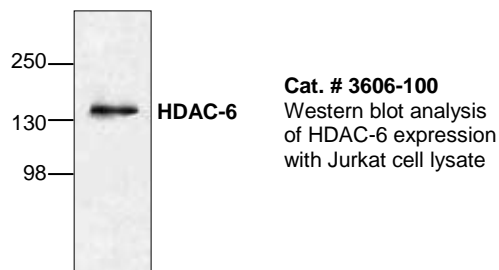
Human HDAC6 (1215 a.a. residues) possesses two separate putative catalytic domains, both of which are fully functional and contribute independently to the overall activity of HDAC6. A very potent NES is present at the amino-terminus of HDAC6, which was found to play an important role in regulating the 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.

APPLICATION AND USAGE:

The antibody can be used in Western blotting (0.5-4 µg/ml). Based on researcher's feedback, the antibody can also be used in Immunohistochemistry (20 µg/ml). However, the optimal conditions should be determined individually.

SPECIFICITY:

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. Blocking peptide (Cat.# 3606BP-50) is available separately.



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