

Histone Deacetylase 10 (HDAC10) Antibody

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|----------------------------|---|--------------------|
| CATALOG NO: | 3610-30T | 30 µg (Trial size) |
| | 3610-100 | 100 µg |
| HOST: | Rabbit | |
| IMMUNOGEN: | Synthetic peptide near the N-terminus of human HDAC10 (ID# BV-73) | |
| SPECIES REACTIVITY: | Human, Mouse, Rat | |

FORMULATION:

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

STORAGE CONDITIONS:

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

BACKGROUND:

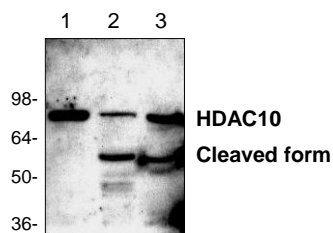
HDAC family are divided into two classes, I and II. Class I of the HDAC family comprises four members, HDAC1, 2, 3, and 8. Class II of the HDAC family comprises HDAC4, 5, 6, and 7, the molecular weights of which are all about two-fold larger than those of the class I members. Human HDAC1, 2 and 3 were expressed in various tissues, but the others (HDAC4, 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.

SPECIFICITY:

The antibody recognizes 74 kDa HDAC10 of human, mouse, and rat origins. A 55 kDa cleavage fragment can also be detected in mouse and rat tissue lysates.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 36101-00) is available separately.



Cat.# 3610-100

Western blot analysis of HDAC10 expression.

Lane 1: Jurkat Cells
Lane 2: Mouse Intestine
Lane 3: Rat Brain

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
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- Mammalian Cell Extraction Kit
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