# Mouse HDAC6 Monoclonal Antibody | anti-HDAC6 antibody

HDAC6 antibody

| CATALOG # | HOST | APPLICATIONS |
|---|---|---|
| **AAA106293** | **Mouse** | **Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay** |

## PRODUCT SYNONYMS

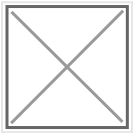
HDAC6; Monoclonal Antibody; HDAC6 antibody; Monoclonal HDAC6; Anti-HDAC6; Histone deacetylase 6; HD6; FLJ16239; KIAA0901; HDAC 6; HDAC-6; anti-HDAC6 antibody

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1 |
| **Clone Number** | 1B3 |
| **Purity/Purification** | HDAC6 antibody was purified by affinity chromatography. |
| **Form/Format** | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration** | 500 ug-1 mg/ml (varies by lot) |
| **Sequence Length** | 1215 |
| **Applicable Applications for anti-HDAC6 antibody** | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry) |
| **Biological Significance** | Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histoneacetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class II of the histone deacetylase/acuc/apha family. It contains an internal duplication of two catalytic domains which appear to function independently of each other. This protein possesses histone deacetylase activity and represses transcription. |
| **Cross-Reactivity** | Human, Monkey |
| **Immunogen** | HDAC6 antibody was raised in mouse using a full length recombinant protein of human HDAC6 (NP_006035) produced in HEK293T cells, as the immunogen. |
| **Preparation and Storage** | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles. |

## IMAGES

**IF (Immunofluorescence)**
Immunofluorescent staining of COS7 cells transiently transfected with recombinant HDAC6 protein using HDAC6 antibody



**WB (Western Blot)**
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant HDAC6 protein (Right) or empty vector (Left) detected with HDAC6 antibody

## ADDITIONAL INFORMATION

| | |
|---|---|
| **Related Product Information for anti-HDAC6 antibody** | Mouse monoclonal HDAC6 antibody |
| **Product Categories/Family for anti-HDAC6 antibody** | DNA & RNA |

## NCBI AND UNIPROT INFORMATION

| | |
|---|---|
| **NCBI GI #** | 13128864 |
| **NCBI GeneID** | 10013 |
| **NCBI Accession #** | NP_006035 |
| **NCBI GenBank Nucleotide #** | NM_006044.2 |
| **UniProt Accession #** | Q9UBN7; O94975; Q6NT75; Q7L3E5; Q96CY0 |
| **Molecular Weight** | 114,361 Da |
| **NCBI Official Full Name** | histone deacetylase 6 |
| **NCBI Official Synonym Full Names** | histone deacetylase 6 |
| **NCBI Official Symbol** | HDAC6 |
| **NCBI Official Synonym Symbols** | HD6; JM21; CPBHM; PPP1R90 |
| **NCBI Protein Information** | histone deacetylase 6 |
| **UniProt Protein Name** | Histone deacetylase 6 |
| **UniProt Gene Name** | **HDAC6** |
| **UniProt Synonym Gene Names** | KIAA0901; HD6 |
| **UniProt Entry Name** | HDAC6_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/hdac6-antibody-clone-1b3-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106293