

## Mouse anti-Human HDAC4 Monoclonal Antibody | anti-HDAC4 antibody

HDAC4 (N-term) Mouse mAb

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                      |
|-----------|-------|------------|-----------------------------------|
| AAA320296 | Mouse | Human      | Immunoprecipitation, Western Blot |

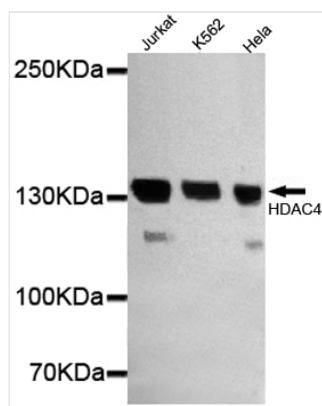
### PRODUCT SYNONYMS

HDAC4; Monoclonal Antibody; HDAC4 (N-term) Mouse mAb; EC 3.5.1.98; HA6116; HD 4; HD4; HDAC 4; HDAC A; HDAC4\_HUMAN; HDACA; Histone Deacetylase 4; Histone Deacetylase A; KIAA0288.; anti-HDAC4 antibody

### PRODUCT SPECIFICATIONS

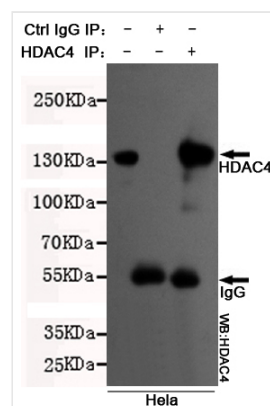
|                                                 |                                                                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                              |
| Reactivity                                      | Human                                                                                                              |
| Clonality                                       | Monoclonal                                                                                                         |
| Specificity                                     | This antibody detects endogenous levels of HDAC4 and does not cross-react with related proteins                    |
| Purity/Purification                             | The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen. |
| Form/Format                                     | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                            |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                             |
| Applicable Applications for anti-HDAC4 antibody | IP (Immunoprecipitation), WB (Western Blot)                                                                        |
| Immunogen                                       | Purified recombinant human HDAC4 protein fragments expressed in E coli                                             |
| Modification                                    | Unmodified/Total                                                                                                   |
| Preparation and Storage                         | Store at -20 degree C/1 year                                                                                       |

### IMAGES



**IP (Immunoprecipitation)**

Immunoprecipitation analysis of HeLa cell lysates using HDAC4 mouse mAb.



**WB (Western Blot)**

Western blot detection of HDAC4 in Jurkat, HeLa and K562 cell lysates using HDAC4 mouse mAb (1:1000 diluted). Predicted band size: 140KDa. Observed band size: 140KDa.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HDAC4 antibody | Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/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 possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3. [provided by RefSeq, Jul 2008] |
| Product Categories/Family for anti-HDAC4 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 153085395                                      |
| NCBI GeneID                      | 9759                                           |
| NCBI Accession #                 | NP_006028.2                                    |
| NCBI GenBank Nucleotide #        | NM_006037.3                                    |
| UniProt Accession #              | P56524; Q9UND6                                 |
| Molecular Weight                 | 119,040 Da                                     |
| NCBI Official Full Name          | histone deacetylase 4                          |
| NCBI Official Synonym Full Names | histone deacetylase 4                          |
| NCBI Official Symbol             | HDAC4                                          |
| NCBI Official Synonym Symbols    | HD4; AHO3; BDMR; HDACA; HA6116; HDAC-4; HDAC-A |
| NCBI Protein Information         | histone deacetylase 4; histone deacetylase A   |
| UniProt Protein Name             | Histone deacetylase 4                          |
| UniProt Gene Name                | <b>HDAC4</b>                                   |
| UniProt Synonym Gene Names       | KIAA0288; HD4                                  |
| UniProt Entry Name               | HDAC4_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hdac4-antibody-immunoprecipitation-western-blot-elisa/320296>