

## Rabbit HDAC8 Polyclonal Antibody | anti-HDAC8 antibody

Anti-HDAC8 antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                       |
|-----------|--------|-------------------|------------------------------------|
| AAA45048  | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Western Blot |

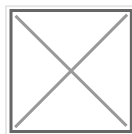
### PRODUCT SYNONYMS

HDAC8; Polyclonal Antibody; Anti-HDAC8 antibody; Histone deacetylase 8(HD8); histone deacetylase 8; CDA07 antibody; HD 8 antibody; HD8 antibody; HDAC 8 antibody; Hdac8 antibody; HDAC8\_HUMAN antibody; HDACL 1 antibody; HDACL1 antibody; Histone deacetylase 8 antibody; Histone deacetylase like 1 antibody; RPD 3 antibody; RPD3 antibody; anti-HDAC8 antibody

### PRODUCT SPECIFICATIONS

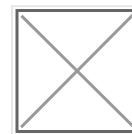
|                                                 |                                                                                                                                                                                                      |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                               |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                    |
| Clonality                                       | Polyclonal                                                                                                                                                                                           |
| Isotype                                         | IgG                                                                                                                                                                                                  |
| Purity/Purification                             | Immunogen affinity purified.                                                                                                                                                                         |
| Form/Format                                     | Lyophilized                                                                                                                                                                                          |
| Sequence Length                                 | 377                                                                                                                                                                                                  |
| Applicable Applications for anti-HDAC8 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                        |
| Immunogen                                       | A synthetic peptide corresponding to a sequence at the N-terminus of human HDAC8 (18-33aa YIYSPEYVSMCDSLAK), different from the related mouse and rat sequences by two amino acids.                  |
| Contents                                        | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.                                                                                                               |
| Reconstitution                                  | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                 |
| Preparation and Storage                         | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |

### IMAGES



#### IHC (Immunohistochemistry)

Anti-HDAC8 antibody, AAA45048, IHC(P)IHC(P): Human Lung Cancer Tissue



#### WB (Western Blot)

Anti-HDAC8 antibody, AAA45048, Western blottingAll lanes: Anti HDAC8 (AAA45048) at 0.5ug/mlLane 1: Rat Cardiac Muscle: Tissue Lysate at 50ugLane 2: A549 Whole Cell Lysate at 40ugPredicted bind size: 42KDObserved bind size: 42KD

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HDAC8 antibody | <p><b>Description:</b> Rabbit IgG polyclonal antibody for Histone deacetylase 8(HDAC8) detection. Tested with WB, IHC-P in Human, Mouse, Rat.</p> <p><b>Background:</b> HDAC8, Histone deacetylase 8, is an enzyme that in humans is encoded by the HDAC8 gene, and is biologically involved in skull morphogenesis and metabolic control of the ERR-alpha/PGC1-alpha transcriptional complex. Sequence analysis predicted that the 377-amino acid HDAC8 protein contains the 9 conserved HDAC blocks that are presumably important for catalytic function. HDAC8 shares 54% sequence similarity with HDAC1 and HDAC2 and 39% similarity with HDAC3, making it a class I HDAC. 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 I of the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter.</p> |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 29839394                                                                               |
| NCBI GeneID                      | 55869                                                                                  |
| UniProt Accession #              | Q9BY41; Q86VC8; Q9NP76; Q9NYH4; A6ND12; A6ND61; A6NET3; A6NJR3; A8MQ62; B4DKN0; B4DV22 |
| Molecular Weight                 | 16,050 Da                                                                              |
| NCBI Official Full Name          | Histone deacetylase 8                                                                  |
| NCBI Official Synonym Full Names | histone deacetylase 8                                                                  |
| NCBI Official Symbol             | HDAC8                                                                                  |
| NCBI Official Synonym Symbols    | HD8; WTS; RPD3; CDA07; CDLS5; MRXS6; HDACL1                                            |
| NCBI Protein Information         | histone deacetylase 8; histone deacetylase-like 1                                      |
| UniProt Protein Name             | Histone deacetylase 8                                                                  |
| UniProt Gene Name                | HDAC8                                                                                  |
| UniProt Synonym Gene Names       | HDACL1; HD8                                                                            |
| UniProt Entry Name               | HDAC8_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/polyclonal/hdac8-antibody-immunohistochemistry-western-blot-elisa/45048>