

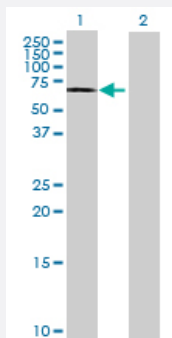
MaxPab®

# HDAC1 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003065-B01P

Size 50 ug

## Applications

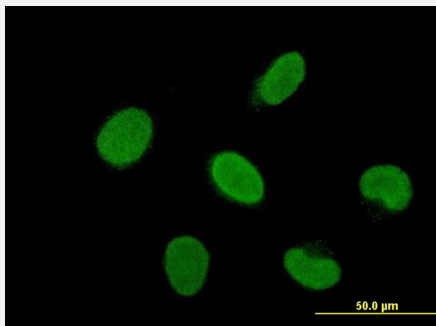


### Western Blot (Transfected lysate)

Western Blot analysis of HDAC1 expression in transfected 293T cell line ([H00003065-T01](#)) by HDAC1 MaxPab polyclonal antibody.

Lane 1: HDAC1 transfected lysate(53.02 KDa).

Lane 2: Non-transfected lysate.



### Immunofluorescence

Immunofluorescence of purified MaxPab antibody to HDAC1 on HeLa cell.  
[antibody concentration 10 ug/ml]

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human HDAC1 protein.

### Immunogen

HDAC1 (NP\_004955.2, 1 a.a. ~ 482 a.a) full-length human protein.

### Sequence

MAQTQGTRRKVCYYYDGDVGNYYYGQGHPMKPHRIRMTHNLLLNYGLYRKMEIYRPHKANAEEMT  
KYHSDDYKFLRSIRPDNMSEYSKQMQRFNVGEDCPVFDGLFEFCQLSTGGSVASAVKLNKQQT  
DIAVNWAGGLHHAKKSEASGFCYVNDIVLAILELLKYHQRVLYIDIDIHHGDGVVEAFYTTDRVMTVS  
FHKYGEYFPGTGDLRDIGAGKGKYYAVNYPLRDGIDDESIEAIFKPVMSKVMEMFQPSAVVLQCG  
SDSLSGDRLGCFNLTIKGHAKCVEFVKSFNLPMLMLGGGGYTIRNVARCWYETAVALDTEIPNEL  
PYNDYFEYFGPDFKLHISPSNMTNQNTNEYLEKIKQRLFENLRMLPHAPGVQMQAIPEDAIPESG  
DEDEDDPKRISICSSDKRIACEEEFSDSEEEGEGGRKNSSNFKKAKRVKTEDEKEKDPEEKKE  
VTEEEKTKEEKPEAKGVKEEVKLA

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Host                          | Mouse                                                                    |
| Reactivity                    | Human                                                                    |
| Interspecies Antigen Sequence | Mouse (99); Rat (99)                                                     |
| Quality Control Testing       | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer                | In 1x PBS, pH 7.4                                                        |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

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[Protocol Download](#)

- Immunofluorescence

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## Gene Info — HDAC1

|                     |                                           |
|---------------------|-------------------------------------------|
| Entrez GeneID       | <a href="#">3065</a>                      |
| GeneBank Accession# | <a href="#">NM_004964.2</a>               |
| Protein Accession#  | <a href="#">NP_004955.2</a>               |
| Gene Name           | HDAC1                                     |
| Gene Alias          | DKFZp686H12203, GON-10, HD1, RPD3, RPD3L1 |
| Gene Description    | histone deacetylase 1                     |
| Omim ID             | <a href="#">601241</a>                    |
| Gene Ontology       | <a href="#">Hyperlink</a>                 |

**Gene Summary**

Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. [provided by RefSeq]

**Other Designations**

OTTHUMP00000008745|reduced potassium dependency, yeast homolog-like 1

## Pathway

- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Notch signaling pathway](#)
- [Pathways in cancer](#)

## Disease

- [Asthma](#)
- [Cognition Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Huntington disease](#)
- [Mental Status Schedule](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Tobacco Use Disorder](#)