

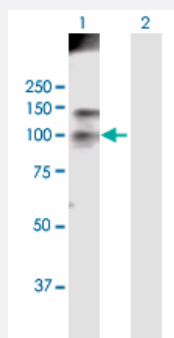
MaxPab®

# HDAC4 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00009759-D01

Size 100 uL

## Applications

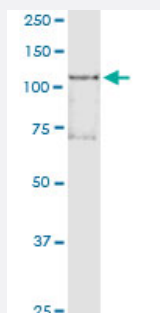


### Western Blot (Transfected lysate)

Western Blot analysis of HDAC4 expression in transfected 293T cell line ([H00009759-T01](#)) by HDAC4 MaxPab polyclonal antibody.

Lane 1: HDAC4 transfected lysate(106.4 KDa).

Lane 2: Non-transfected lysate.



### Immunoprecipitation

Immunoprecipitation of HDAC4 transfected lysate using anti-HDAC4 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with HDAC4 MaxPab mouse polyclonal antibody (B01) ([H00009759-B01](#)).

## Specification

### Product Description

Rabbit polyclonal antibody raised against a full-length human HDAC4 protein.

### Immunogen

HDAC4 (AAH39904.1, 1 a.a. ~ 972 a.a) full-length human protein.

## Sequence

MLAMKHQQELLEHQKLERHRQEQELEKQHREQKLQQLKNKEKGKESAVASTEVMKMLQEFVL  
 NKKKALAHNRNLNHCISDPRYWGKTQHSSLDQSSPPQSGVSTSYNHPVLGMYDAKDDFPLRKT  
 ASEP NLKLRSLKQKVAERRSSPLLRRKDGPPVVTALKKRPLDVTDSACSSAPGSGPSSPNSS  
 GSVSAENGIAPAVPSIPAETSLAHLVAREGSAAPLPLYTSPSLPNITLGLPATGPSAGTAGQQDA  
 ERLTLPALQQRLSLFPGTHLTPYLSTSPLE RDGGAHSPLLQHMVLEQPPAQAPLVDWYLSGL  
 GALPLHAQSLVGADRVSPSIHKL RQHRPLGR TQSAPLPQNAQALQHLVIQQHQHFLEKHKQQF  
 QQQQLQMNKIIPKPSEPARQPESHPEETEEELREHQALLDEPYLDRLPGQKEAHAQAGVQVKQE  
 PIESDEEEAEPPREVEPGQRQPSEQELLFRQQALLLEQQRIHQLRNYQASMEAAGIPVSFGGHRP  
 LSR AQSSPASATFPVSVQEPPTKPRFTTGLVYDTLMLKHQCTCGSSSSSHPEHAGRIQSIWSRLQE  
 TGLRGKCECIRGRKATLEELQTVHSEHTLLYGTNPLNRQKLD SKKLLGSLASV FVRLPCGGVGV  
 DSDTIWNEVHSAGAARLAVGCVVELVFKVATGELKNGFAVVRPPGHAEESTPMGFCYFNSVA  
 VAAKLLQQRLSVSKILVDWDVHHGNGTQQAFYS DPSVLYMSLHRYDDGNFFPGSGAPDEVGTG  
 PGVGFNVNMAFTGGLDPPMGDAEYLA AFRTVVMPIASEFAPDVVLVSSGFDAVEGHPTPLGGYN  
 LSARCFGYLTKQLMGLAGGRVLALEGGHDLTAICDASEACVSALLGNELDPLPEKVLQQRPNAN  
 AVRSMEKVM EHSKYWRCLQRTTSTAGRS LIEAQTCENEEAETVTAMASLSVGVKPAEKRPDEE  
 PMEEEPPL

## Host

Rabbit

## Reactivity

Human

## Interspecies Antigen Sequence

Mouse (92); Rat (92)

## Quality Control Testing

Antibody reactive against mammalian transfected lysate.

## Storage Buffer

No additive

## Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

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[Protocol Download](#)

## Gene Info — HDAC4

Entrez GeneID [9759](#)

GeneBank Accession# [BC039904.1](#)

Protein Accession# [AAH39904.1](#)

Gene Name HDAC4

Gene Alias HA6116, HD4, HDAC-A, HDACA, KIAA0288

Gene Description histone deacetylase 4

Omim ID [605314](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** histone deacetylase A

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- [Carotid Stenosis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Craniofacial Abnormalities](#)
- [Diabetes Mellitus](#)
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- [Genetic Predisposition to Disease](#)
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- [Schizophrenia](#)