

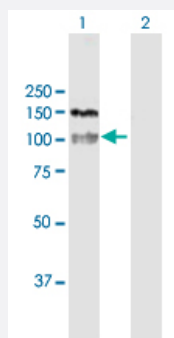
MaxPab®

HDAC4 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00009759-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of HDAC4 expression in transfected 293T cell line ([H00009759-T02](#)) by HDAC4 MaxPab polyclonal antibody.

Lane 1: HDAC4 transfected lysate (106.40 KDa).

Lane 2: Non-transfected lysate.

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

MLAMKHQQELLEHQRKLERHRQEQELEKQHREQKLQQLKNKEKGKESAVASTEVMKMLQEFVL
NKKKALAHNRNLNHCISDPRYWGKTQHSSLDQSSPPQSGVSTSYNHPVLGMYDAKDDFPLRKT
ASEPNLKLRSRLKQKVAERRSSPLLRRKDGPPVVTALKKRPLDVTDACSSAPGSGPSSPNNSS
GSVSAENGIAPAVPSIPAETSLAHRLVAREGSAAPLPLYTSPSLPNITLGLPATGPSAGTAGQQDA
ERLTLPALQQRLSLFPGTHLTPYLSTSPLERDGGAAHSPLLQHMVLEQPPAQAPLVTDWYLSGL
GALPLHAQSLVGADRVSPSIHKLRQHRPLGRTQSAPLPQNAQALQHLVIQQHQHQQFLEKHKQQF
QQQQLQMNKIIPKPSEPARQPESHPEETEEELREHQALLDEPYLDRLPGQKEAHAQAGVQVKQE
PIESDEEEAEPPREVEPGQRQPSEQELLFRQQALLLEQQRIHQRLNYQASMEAAGIPVSFGGHRP
LSRAQSSPASATFPVSVQEPPTKPRFTTGLVYDITMLKHQCTCGSSSSSHPEHAGRIQSIWSRLQE
TGLRGKCECIRGRKATLEELQTVHSEAHLLYGTNPLNRQKLDSSKLLGSLASVFVRLPCGGVGV
DSDTWNEVHSAGAARLAVGCVVELVFKVATGELKNGFAVVRPPGHAAEESTPMGFCYFNVA
VAAKLLQQRLSVSKILVDWDVHHGNGTQQAIFYSDPSVLYMSLHRYDDGNFFPGSGAPDEVGTG
PGVGFNVNMAFTGGLDPPMGDAEYLAAFRTVVMPIASEFAPDVVLVSSGFDAVEGHPTPLGGYN
LSARCFGYLTKQLMGLAGGRVLALEGGHDLTAICDASEACVSALLGNELDPLPEKVLQQRPNAN
AVRSMKVMIEHISKYWRCLQRTTSTAGRSLEAQCENEEAETVTAMASLSVGKPAEKRPDEE
PMEEEPPL

Host

Rabbit

Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (92)
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](#)

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

Disease

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