

HDAC5/HDAC9 (Human) Cell-Based ELISA Kit

Catalog # KA2749 Size 1 Kit

Specification

Product Description	HDAC5/HDAC9 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of HDAC5/HDAC9 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — HDAC9

Entrez GeneID	9734
Protein Accession#	Q9UQL6 (Gene ID : 10013);Q9UKV0 (Gene ID : 9734)
Gene Name	HDAC9
Gene Alias	DKFZp779K1053, HD7, HDAC, HDAC7, HDAC7B, HDAC9B, HDAC9FL, HDRP, KIAA0744, MITR
Gene Description	histone deacetylase 9

Omim ID	606543
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 has sequence homology to members of the histone deacetylase family. This gene is orthologous to the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined. [provided by RefSeq]
Other Designations	MEF-2 interacting transcription repressor (MITR) protein histone deacetylase 4/5-related protein histone deacetylase 7 histone deacetylase 7B

Gene Info — HDAC5

Entrez GeneID	10014
Protein Accession#	Q9UQL6 (Gene ID : 10013);Q9UKV0 (Gene ID : 9734)
Gene Name	HDAC5
Gene Alias	FLJ90614, HD5, NY-CO-9
Gene Description	histone deacetylase 5
Omim ID	605315
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 the class II histone deacetylase/acuc/alpha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	antigen NY-CO-9

Disease

- [Asthma](#)

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- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
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- [Genetic Predisposition to Disease](#)
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