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

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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 fa ctor access to DNA. The protein encoded by this gene has sequence homology to members of th e histone deacetylase family. This gene is orthologous to the Xenopus and mouse MITR genes. T he MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity throug h recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This enc oded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have bee n described for this gene but the full-length nature of some of them has not been determined. [prov ided by RefSeq
Other Designations	MEF-2 interacting transcription repressor (MITR) protein|histone deacetylase 4/5-related protein|h istone 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 fa ctor access to DNA. The protein encoded by this gene belongs to the class II histone deacetylase/ acuc/apha family. It possesses histone deacetylase activity and represses transcription when teth ered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form mult icomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in re pression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Tw o transcript variants encoding different isoforms have been found for this gene. [provided by RefS eq
Other Designations	antigen NY-CO-9

Disease

- Asthma

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- Cardiovascular Diseases
- Cardiovascular Diseases
- Cognition
- Depressive Disorder
- Diabetes Mellitus
- Diabetes Mellitus
- Disease Susceptibility
- Edema
- Edema
- Fractures
- Genetic Predisposition to Disease
- Schizophrenia
- Tobacco Use Disorder

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