10320 Camino Santa Fe, Suite G
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Anti-HDAC9 Rabbit Monoclonal Antibody

Catalog # ABO13697

Specification

Anti-HDAC9 Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC, IF, ICC**
Primary Accession	Q9UKV0
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Rat, Human**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-HDAC9 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Rat.

Anti-HDAC9 Rabbit Monoclonal Antibody - Additional Information

Gene ID 9734

Other Names
Histone deacetylase 9, HD9, 3.5.1.98, Histone deacetylase 7B, HD7, HD7b, Histone deacetylase-related protein, MEF2-interacting transcription repressor MITR, HDAC9, HDAC7, HDAC7B, HDRP, KIAA0744, MITR

Calculated MW
111297 MW KDa

Application Details
WB 1:5000-1:20000
IHC 1:50-1:200
ICC/IF 1:50-1:200

Subcellular Localization
Nucleus.

Tissue Specificity
Broadly expressed, with highest levels in brain, heart, muscle and testis. Isoform 3 is present in human bladder carcinoma cells (at protein level)..

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human HDAC9

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term**

storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-HDAC9 Rabbit Monoclonal Antibody - Protein Information

Name HDAC9

Synonyms HDAC7, HDAC7B, HDRP, KIAA0744, MITR

Function
Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Represses MEF2-dependent transcription.

Cellular Location
Nucleus.

Tissue Location
Broadly expressed, with highest levels in brain, heart, muscle and testis. Isoform 3 is present in human bladder carcinoma cells (at protein level).

Anti-HDAC9 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-HDAC9 Rabbit Monoclonal Antibody - Images

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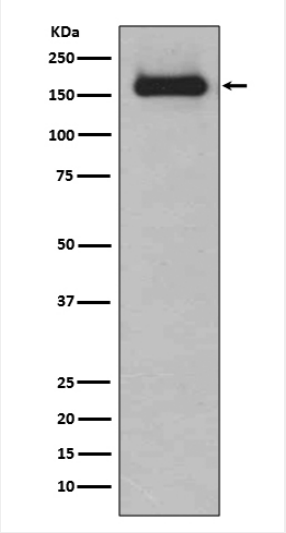
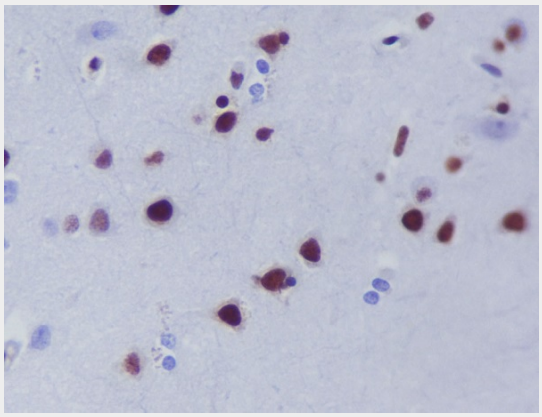
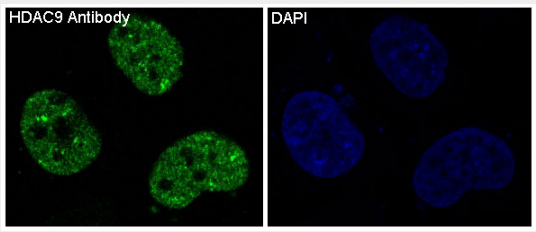


Western blot analysis of HDAC9 expression in K562 cell lysate.



Immunohistochemical analysis of paraffin-embedded human brain, using HDAC9 Antibody.



Immunofluorescent analysis of Hela cells, using HDAC9 Antibody.