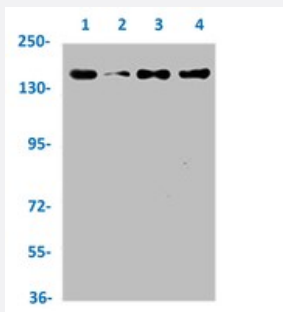


RecomAb™

HDAC9 recombinant monoclonal antibody, clone 1F2

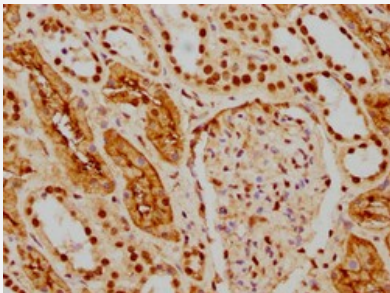
Catalog # RAB04306 Size 100 uL

Applications



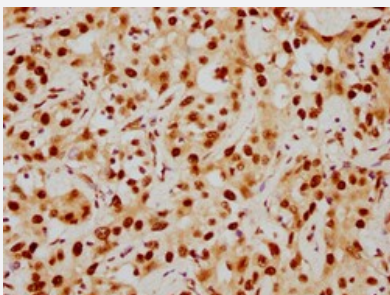
Western Blot

Western blot analysis of Lane 1: Hela whole cell lysate, Lane 2: MCK-7 whole cell lysate, Lane 3: 293T whole cell lysate and Lane 4: K562 whole cell lysate with HDAC9 recombinant monoclonal antibody, clone 1F2 (Cat # RAB04306).



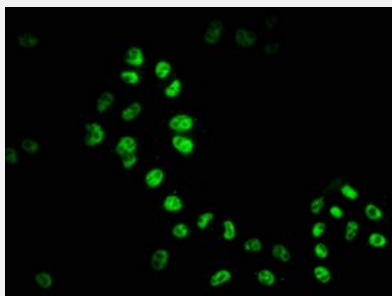
Immunohistochemistry

Immunohistochemical staining of human kidney tissue with HDAC9 recombinant monoclonal antibody, clone 1F2 (Cat # RAB04306) (diluted at 1:154).



Immunohistochemistry

Immunohistochemical staining of human liver cancer with HDAC9 recombinant monoclonal antibody, clone 1F2 (Cat # RAB04306) (diluted at 1:154).



Immunofluorescence

Immunofluorescent staining of Hela cells with HDAC9 recombinant monoclonal antibody, clone 1F2 (Cat # RAB04306) (diluted at 1:51). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human HDAC9.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human HDAC9.
Theoretical MW (kDa)	Calculated MW: 112,
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1:Hela whole cell lysate, Lane 2: MCK-7 whole cell lysate, Lane 3: 293T whole cell lysate and Lane 4: K562 whole cell lysate with HDAC9 recombinant monoclonal antibody, clone 1F2 (Cat # RAB04306).

- Immunohistochemistry

Immunohistochemical staining of human kidney tissue with HDAC9 recombinant monoclonal antibody, clone 1F2 (Cat # RAB04306) (diluted at 1:154).

- Immunohistochemistry

Immunohistochemical staining of human liver cancer with HDAC9 recombinant monoclonal antibody, clone 1F2 (Cat # RAB04306) (diluted at 1:154)

- Immunofluorescence

Immunofluorescent staining of Hela cells with HDAC9 recombinant monoclonal antibody, clone 1F2 (Cat # RAB04306) (diluted at 1:51). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — HDAC9

Entrez GeneID [9734](#)

Protein Accession# [Q9UKV0](#)

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|h
istone deacetylase 7|histone deacetylase 7B

Disease

- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)