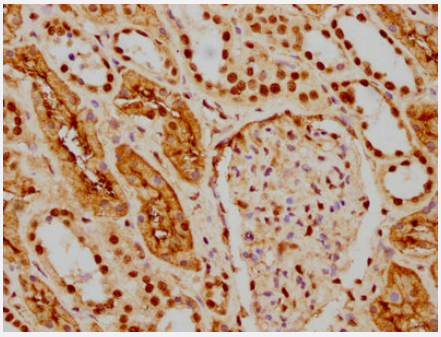
RecomAb™ Sm Size

HDAC9 recombinant monoclonal antibody, clone 1F2

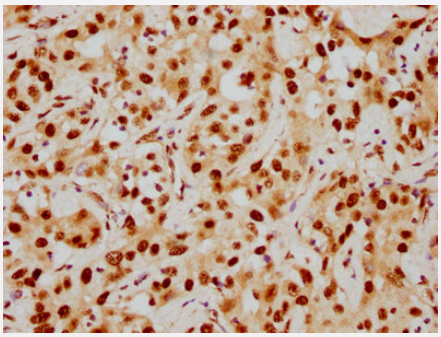
Catalog # RAB08161 Size 50 uL

Applications



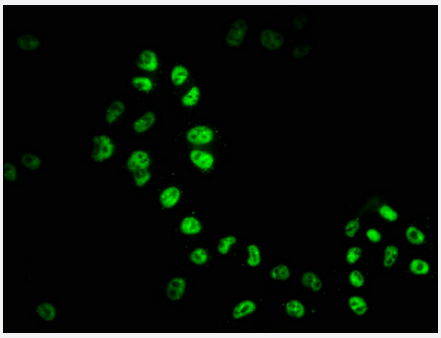
Immunohistochemistry

Immunohistochemical staining of human kidney tissue with HDAC9 recombinant monoclonal antibody (diluated at 1:154).



Immunohistochemistry

Immunohistochemical staining of human liver cancer with HDAC9 recombinant monoclonal antibody (diluated at 1:154)



Immunofluorescence

Immunofluorescent staining of Hela cells with HDAC9 recombinant monoclonal antibody (diluated at 1:51). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

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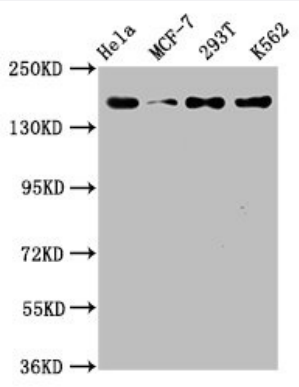

Western Blot

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.

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
Preparation Method	Mammalian cell (HEK293) expression system
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 shoul d be handled by trained staff only.

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Applications

- Immunohistochemistry

  Immunohistochemical staining of human kidney tissue with HDAC9 recombinant monoclonal antibody (diluated at 1:154).

- Immunohistochemistry

  Immunohistochemical staining of human liver cancer with HDAC9 recombinant monoclonal antibody (diluated at 1:154)

- Immunofluorescence

  Immunofluorescent staining of Hela cells with HDAC9 recombinant monoclonal antibody (diluated at 1:51). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

- 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.

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

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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

Disease

- Cardiovascular Diseases
- Cognition
- Diabetes Mellitus
- Disease Susceptibility
- Edema
- Schizophrenia
- Tobacco Use Disorder

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