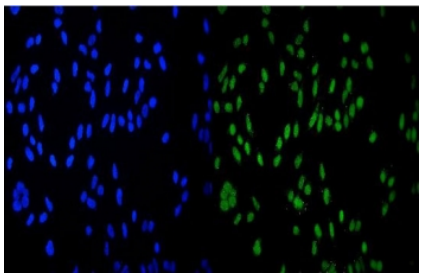
HDAC9 Antibody (RQ5888)

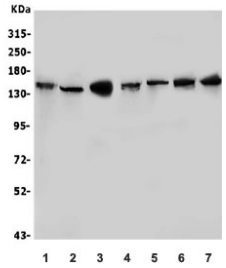
Catalog No.	Formulation	Size
RQ5888	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

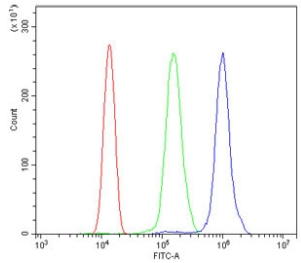
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9UKV0
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 2-4ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This HDAC9 antibody is available for research use only.



Immunofluorescent staining of FFPE human HeLa cells with HDAC9 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) rat testis, 2) rat liver, 3) mouse testis, 4) mouse liver, 5) mouse RAW236.7, 6) human ThP-1 and 7) human HL-60 lysate with HDAC9 antibody. Expected molecular weight ~150 kDa.



Flow cytometry testing of human ThP-1 cells with HDAC9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HDAC9 antibody.

Description

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.

Application Notes

Optimal dilution of the HDAC9 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids S7-Q469) was used as the immunogen for the HDAC9 antibody.

Storage

After reconstitution, the HDAC9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com