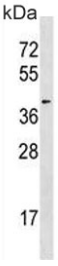
HDAC11 Antibody (F54578)

Catalog No.	Formulation	Size
F54578-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54578-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

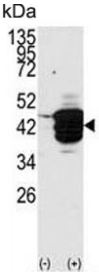
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q96DB2
Localization	Predominantly nuclear
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:25
Limitations	This HDAC11 antibody is available for research use only.



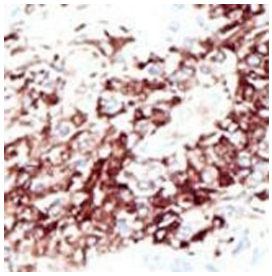
Western blot testing of human Jurkat cell lysate with HDAC11 antibody. Predicted molecular weight ~39 kDa.



Western blot testing of mouse brain tissue lysate with HDAC11 antibody. Predicted molecular weight ~39 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with HDAC11 antibody. Predicted molecular weight ~39 kDa.



IHC testing of FFPE human cancer tissue with HDAC11 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

HDAC11 is 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. Histone deacetylases act via the formation of large multiprotein complexes. The predominantly nuclear HDAC11, which interacts with HDAC6, is weakly expressed in most tissues, and strongly expressed in brain, heart, skeletal muscle, kidney and testis. Its activity is inhibited by trapoxin, a known histone deacetylase inhibitor.

Application Notes

The stated application concentrations are suggested starting points. Titration of the HDAC11 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for the HDAC11 antibody.

Storage

Aliquot the HDAC11 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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