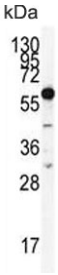
HDAC2 Antibody (F54273)

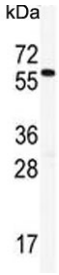
Catalog No.	Formulation	Size
F54273-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54273-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

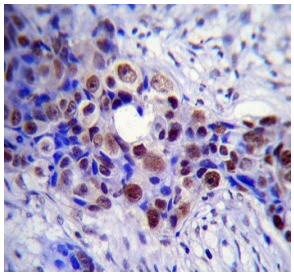
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	SAS precipitation
UniProt	Q92769
Localization	Nuclear, cytoplasmic
Applications	Western blot: 1:500-1:2000 Immunofluorescence: 1:25 Immunohistochemistry (FFPE): 1:25
Limitations	This HDAC2 antibody is available for research use only.



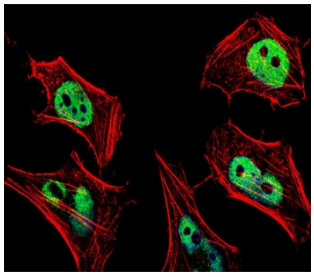
Western blot testing of human 293 cell lysate with HDAC2 antibody. Predicted molecular weight: 55-60 kDa.



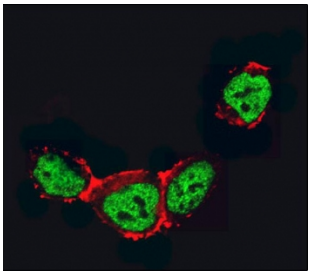
Western blot testing of mouse spleen lysate with HDAC2 antibody. Predicted molecular weight: 55-60 kDa.



IHC testing of FFPE human breast carcinoma tissue with HDAC2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human HeLa cells with HDAC2 antibody (green) and anti-Actin (red).



Immunofluorescent staining of fixed and permeabilized human 293 cells with HDAC2 antibody (green) and anti-Actin (red).

Description

Histone deacetylase 2 (HDAC2), or transcriptional regulator homolog RPD3 L1, is highly homologous to the yeast transcription factor RPD3 (reduced potassium dependency 3) gene. As in yeast, human HDA2 is likely to be involved in regulating chromatin structure during transcription. It has been implicated to associate with YY1, a mammalian zinc-finger transcription factor, which negatively regulates transcription by tethering RPD3 to DNA as a cofactor. This process is highly conserved from yeast to human.

Application Notes

The stated application concentrations are suggested starting points. Titration of the HDAC2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 456-488 from the human protein were used as the immunogen for the HDAC2 antibody.

Storage

Aliquot the HDAC2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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