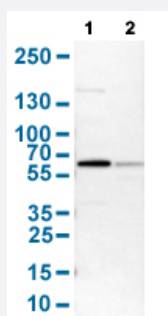


HDAC2 polyclonal antibody

Catalog # PAB30581

Size 100 uL

Applications

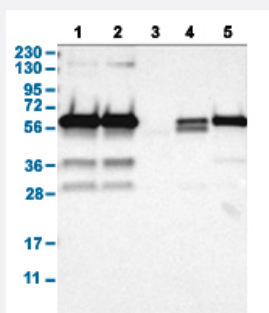


Western Blot (Cell lysate)

Western Blot analysis with HDAC2 polyclonal antibody (Cat # PAB30581).

Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells)

Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells)



Western Blot

Western Blot analysis with HDAC2 polyclonal antibody (Cat # PAB30581).

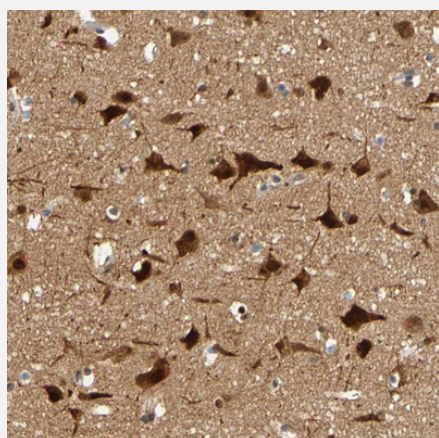
Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp

Lane 3: Human plasma (IgG/HSA depleted)

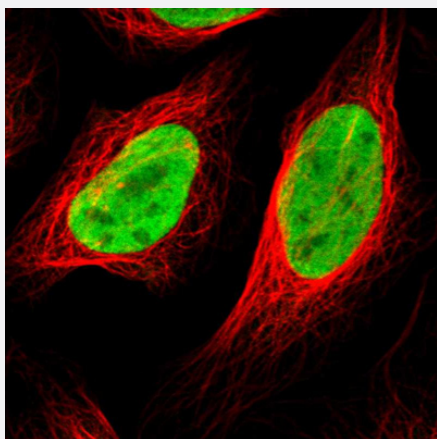
Lane 4: Human liver tissue

Lane 5: Human tonsil tissue



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with HDAC2 polyclonal antibody (Cat # PAB30581) shows strong nuclear and cytoplasmic positivity in neuronal cells.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with HDAC2 polyclonal antibody (Cat # PAB30581) shows positivity in nucleus. Antibody staining is shown in green.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human HDAC2.
Immunogen	Recombinant protein corresponding to amino acids 415-488 of human HDAC2.
Sequence	IACDEEFSDSEDEGEGRNVADHKKGAKKARIEEDKKETEDKKTDVKEEDKSKDNSGEKTD TKGKSEQLSNP
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1 - 4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200 - 1:500) Western Blot (1:500 - 1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°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

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Gene Info — HDAC2

Entrez GeneID [3066](#)

Protein Accession# [Q92769](#)

Gene Name HDAC2

Gene Alias RPD3, YAF1

Gene Description histone deacetylase 2

Omim ID [605164](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes and are responsible for the deacetylation of lysine residues on the N-terminal region of the core histones (H2A, H2B, H3 and H4). This protein also forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus it plays an important role in transcriptional regulation, cell cycle progression and developmental events. [provided by RefSeq]

Other Designations

OTTHUMP00000040427|YY1-associated factor 1|transcriptional regulator homolog RPD3

Pathway

- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Notch signaling pathway](#)
- [Pathways in cancer](#)

Disease

- [ACTH-Secreting Pituitary Adenoma](#)
- [Adenoma](#)
- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)