

Datasheet for ABIN952698
anti-HDAC2 antibody (Middle Region)



[Go to Product page](#)

4 Images

Overview

Quantity:	0.4 mL
Target:	HDAC2
Binding Specificity:	AA 417-447, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 417~447 amino acids from the Central region of Human HDAC2
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human HDAC2 (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	HDAC2
Alternative Name:	HDAC2 (HDAC2 Products)
Background:	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

Target Details

residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). This protein 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. Synonyms: HD2, Histone deacetylase 2

Molecular Weight: 55364 Da

Gene ID: 3066

NCBI Accession: [NP_001518](#)

Pathways: [Neurotrophin Signaling Pathway](#), [Regulation of Muscle Cell Differentiation](#), [Negative Regulation of intrinsic apoptotic Signaling](#), [SARS-CoV-2 Protein Interactome](#), [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

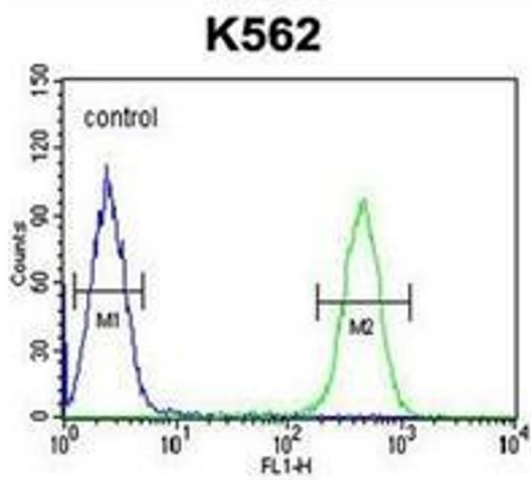
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

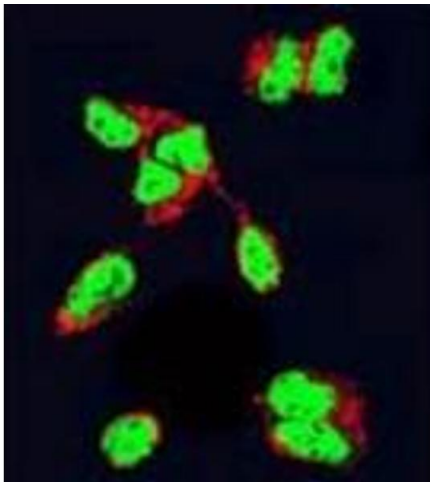
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



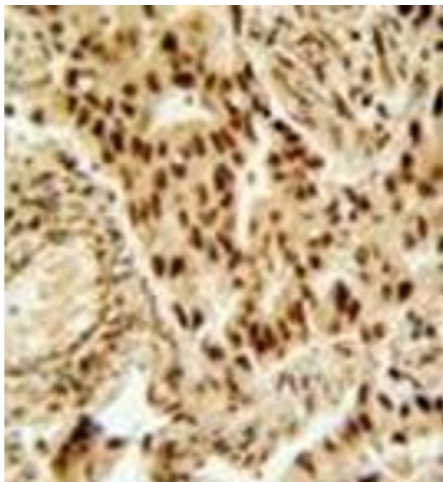
Flow Cytometry

Image 1. Flow cytometric analysis of K562 cells using HDAC2 Antibody (Center) Cat.-No AP52024PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of HDAC2 Antibody (Center) Cat.-No AP52024PU-N with 293 cell followed by Alexa Fluor 488-conjugated Goat anti-Rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma reacted with HDAC2 Antibody (Center) followed which was peroxidase conjugated to the secondary antibody and followed by DAB staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN952698.