Rev03
Update: Aug,08,2025

DATASHEET

HDAC3 Antibody, mAb, Rabbit

Cat. No.: A02977

Overview

Specificity	This product is specific to HDAC3
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human HDAC3
Species Reactivity	Human; Mouse; Rat
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

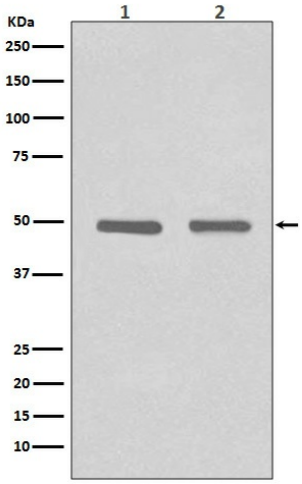
Application	Recommended Usage
Western Blot	1:1000-1:2000
Immunohistochemistry (IHC)	1:100-1:200
Immunocytochemistry/Immunofluorescence (ICC/IF)	1:50-1:200
Immunohistochemistry Frozen (IHF)	1:50-1:200
Immunoprecipitation (IP)	1:20-1:50

Properties

Form	Liquid
Storage Buffer	Supplied in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed.
Purification	Affinity-chromatography

Isotype	Rabbit IgG
Clonality	Monoclonal

Examples



Western blot analysis of HDAC3 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate.

Background

Target Background : Histone deacetylase that catalyzes the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4), and some other non-histone substrates. Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events.

Synonyms : HD3; Histone deacetylase 3; RPD3-2; SMAP45; HDAC3;

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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