

Product Datasheet

HDAC2 Antibody (Center) (orb1927742)

Catalog Number	orb1927742
Category	Antibodies
Description	Affinity Purified Rabbit Polyclonal Antibody (Pab)
Target	HDAC2 {ECO:0000303 PubMed:10545197, ECO:0000312 HGNC:HGNC:4853}
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human
Predicted Reactivity	Mouse
Form/Appearance	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Immunogen	This HDAC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 410-439 amino acids from the Central region of human HDAC2. Antigen Region: 410-439 aa.
UniProt ID	Q92769
MW	55364 Da
Tested applications	FC, IF, IHC-P, WB
Dilution range	IF - 1:10-50, WB - 1:1000, IHC-P - 1:50-100, FC - 1:10-50

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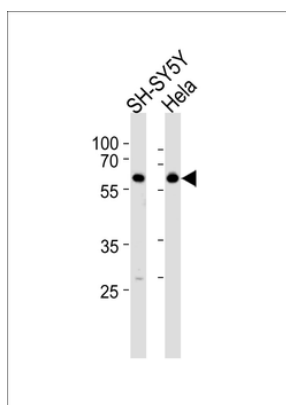
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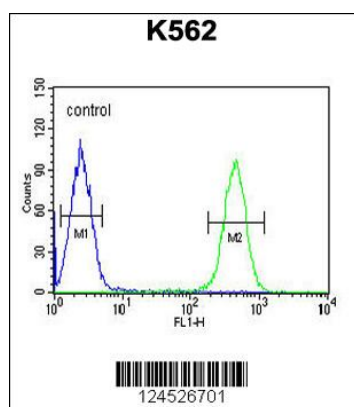
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Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
NCBI	NP_001518.3
Expiration Date	12 months from date of receipt.



HDAC2 Antibody (Center) western blot analysis in SH-SY5Y cell line lysates (35 ug/lane). This demonstrates the HDAC2 antibody detected the HDAC2 protein (arrow).



HDAC2 Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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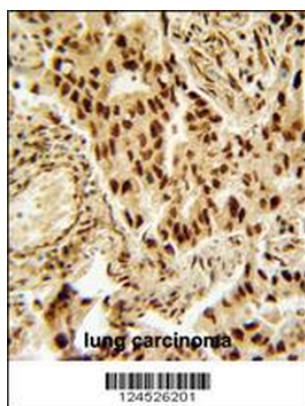
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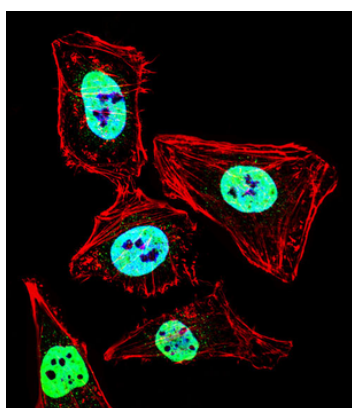
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HDAC2 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HDAC2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Fluorescent confocal image of HeLa cell stained with HDAC2 Antibody (Center). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HDAC2 primary antibody (1: 25, 1 h at 37°C). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). HDAC2 immunoreactivity is localized to the nucleus significantly.

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