

## HDAC2 Polyclonal Antibody

<b>Catalog No.</b>	A0867	<b>Category</b>	Polyclonal Antibodies
<b>Applications</b>	WB, IHC	<b>Observed MW</b>	54kDa
<b>Cross-reactivity</b>	Human, Mouse, Rat	<b>Calculated MW</b>	51kDa/55kDa

### Immunogen Information

<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 429-488 of human HDAC2 (NP_001518.3).
<b>Gene ID</b>	3066
<b>Swiss prot</b>	Q92769
<b>Synonyms</b>	HDAC2; HD2; RPD3; YAF1; histone deacetylase 2

### Product information

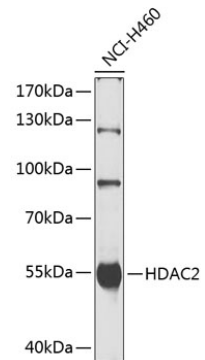
<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification method</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Background

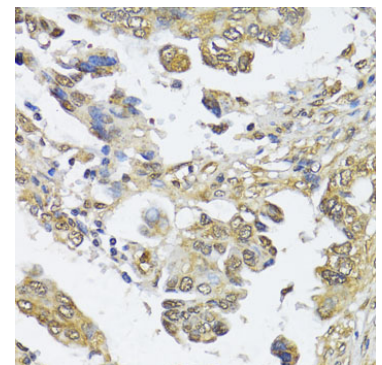
This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). This protein forms transcriptional repressor 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. Alternative splicing results in multiple transcript variants.

### Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200



Western blot analysis of extracts of H460 cells, using HDAC2 antibody (A0867) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Immunohistochemistry of paraffin-embedded human lung cancer using HDAC2 antibody (A0867) at dilution of 1:100 (40x lens).