

Product datasheet for **AP08014PU-S**

HDAC2 pSer394 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000; Incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0,1% Tween-20 at 4°C with gentle shaking, overnight. Immunohistochemistry on paraffin sections: 1/50 - 1/100. Immunofluorescence: 1/100 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human HDAC2 around the phosphorylation site of serine 394 (E-D-SP-G-D).
Specificity:	This antibody HDAC2 (pSer394) detects endogenous levels of HDAC2 only when phosphorylated at Serine 394.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	histone deacetylase 2
Database Link:	Entrez Gene 3066 Human Q92769



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Background:

Histone deacetylase 2 (HDAC2), or transcriptional regulator homolog RPD3 L1, is highly homologous to the yeast transcription factor RPD3 (reduced potassium dependency 3) gene. As in yeast, human HDA2 is likely to be involved in regulating chromatin structure during transcription. It has been implicated to associate with YY1, a mammalian zinc-finger transcription factor, which negatively regulates transcription by tethering RPD3 to DNA as a cofactor. This process is highly conserved from yeast to human.

Synonyms:

Histone deacetylase 2, HD2

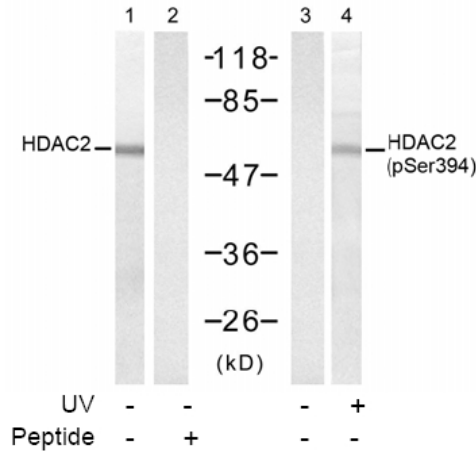
Product images:


Figure 2. Western blot analysis of extracts from HT-29 cells untreated or treated with UV (20min), using HDAC2 antibody (Lane 1 and 2) and HDAC2 (pSer394) antibody (Lane 3 and 4).

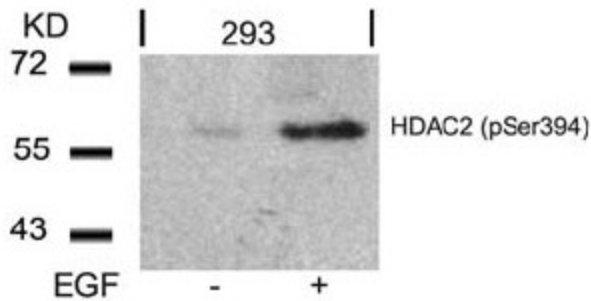
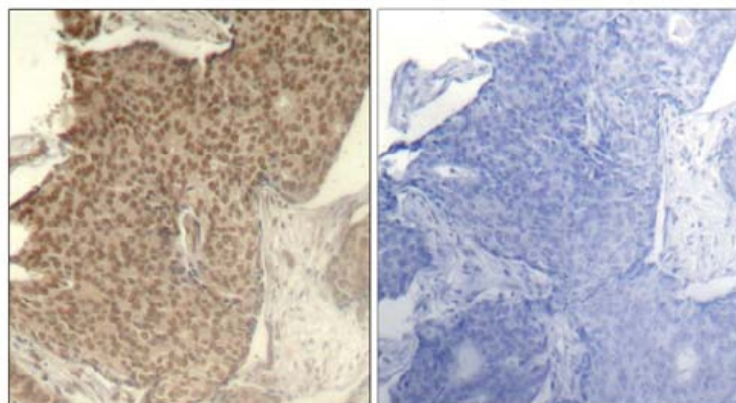


Figure 4 Western Blot analysis of extracts from 293 cells untreated or treated with EGF using HDAC2 (pSer394) antibody



P-Peptide

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Figure 1. Immunohistochemical analysis of paraffin- embedded human breast carcinoma tissue using HDAC2 (pSer394) antibody.

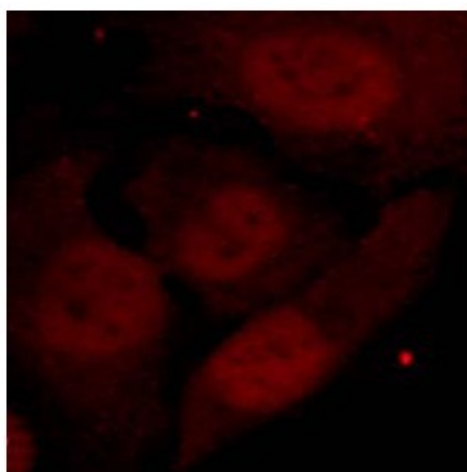


Figure 3 Immunofluorescence staining of methanol-fixed HeLa cells showing nuclear staining using HDAC2 (pSer394) antibody