

### 35-1181: Polyclonal Antibody to HDAC2 (Phospho-Ser394)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC,IF
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	HDAC2
<b>Gene ID :</b>	3066
<b>Uniprot ID :</b>	Q92769
<b>Format :</b>	Purified
<b>Alternative Name :</b>	HD2
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of serine 394 (E-D-S(p)-G-D) derived from Human HDAC2.

#### Description

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes Tsai SC, et al.(2002)J Biol Chem; 277(35): 31826-33

#### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Predicted MW: 60kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

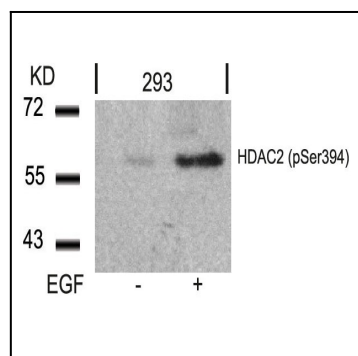


Figure 1: Western blot analysis of extracts from 293 cells untreated or treated with EGF using HDAC2(Phospho-Ser394) Antibody 35-1181 .

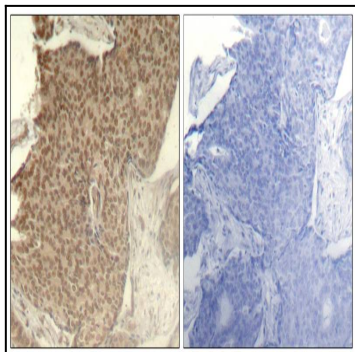


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HDAC2(Phospho-Ser394) Antibody 35-1181 (left) or the same antibody preincubated with blocking peptide(right).

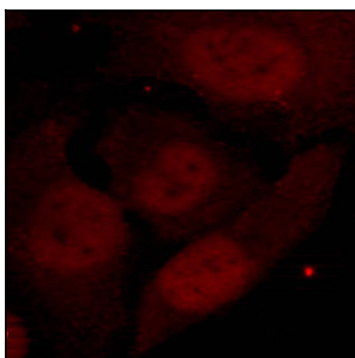


Figure 3: Immunofluorescence staining of methanol-fixed HeLa cells showing nuclear staining using HDAC2(Phospho-Ser394) Antibody 35-1181 .

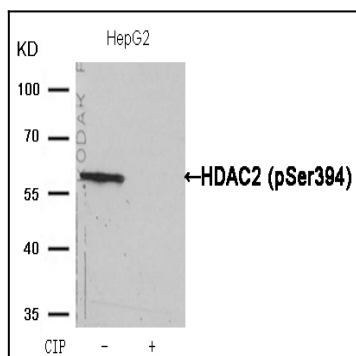


Figure 4: Western blot analysis of extracts from HepG2 cells, treated with calf intestinal phosphatase (CIP), using HDAC2 (Phospho-Ser394) Antibody 35-1181 .