Data Sheet (Cat.No.TMAC-01775)

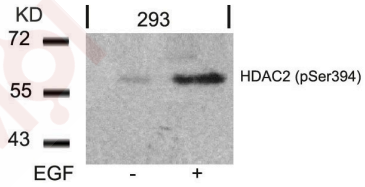
Anti-Phospho-HDAC2 (Ser394) Polyclonal Antibody

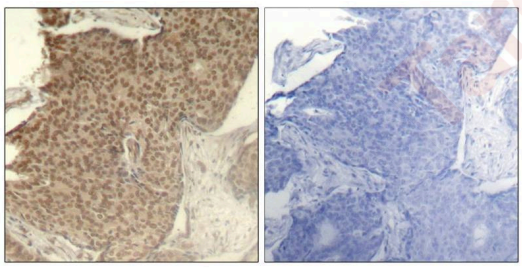
Product Details

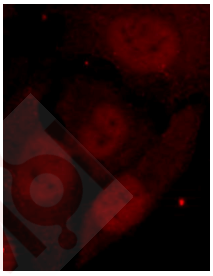
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

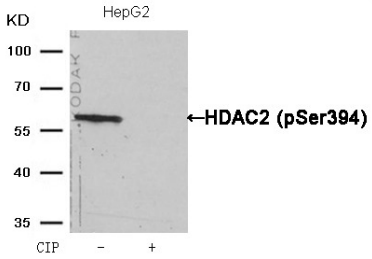
Applications

Verified Activity:	1. Western blot analysis of extracts from 293 cells untreated or treated with EGF using HDAC2 (Phospho-Ser394) Antibody TMAC-01775. 2. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HDAC2 (Phospho-Ser394) Antibody TMAC-01775 (left) or the same antibody preincubated with blocking peptide (right). 3. Immunofluorescence staining of methanol-fixed Hela cells showing nuclear staining using HDAC2 (Phospho-Ser394) Antibody TMAC-01775. 4. Western blot analysis of extracts from HepG2 cells, treated with calf intestinal phosphatase (CIP), using HDAC2 (Phospho-Ser394) Antibody TMAC-01775.









Application: IF,IHC,WB

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Peptide sequence around phosphorylation site of serine 394 (E-D-S(p)-G-D) derived from Human HDAC2

Antigen Species: Human

Uniprot ID: Q92769

Synonyms: p-HDAC2 (S394);p-HDAC2 (Ser394);HDAC2 (p-S394);HDAC2 (p-Ser394)

Research Background

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

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