Data Sheet (Cat.No.TMAC-01779)

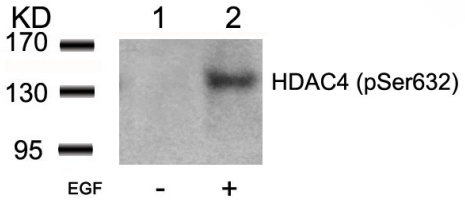
Anti-Phospho-HDAC4 (Ser632) Polyclonal Antibody

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 (lane 1) or treated with EGF (lane 2) using HDAC4 (Phospho-Ser632) Antibody TMAC-01779.



Application: 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 632 (A-Q-S(p)-S-P) derived from Human HDAC4
Antigen Species:	Human
Uniprot ID:	P56524
Synonyms:	HDAC4 (p-Ser632);p-HDAC4 (S632);p-HDAC4 (Ser632);HDAC4 (p-S632)

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. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D.

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