

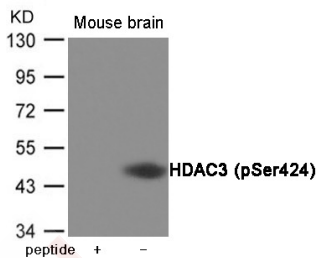
## Anti-Phospho-HDAC3 (Ser424) Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 48 kDa.
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 chromatography using non-phosphopeptide.

## Applications

Verified Activity: 1. Western blot analysis of extracts from Mouse brain tissue using HDAC3 (Phospho-Ser424) Antibody TMAC-01776. The lane on the left is treated with the antigen-specific peptide.



Application: WB

## Properties

Stability & Storage: 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 424 (K-E-S(p)-D-V) derived from Human HDAC3
Antigen Species:	Human
Uniprot ID:	O15379
Synonyms:	p-HDAC3 (Ser424);p-HDAC3 (S424);HDAC3 (p-Ser424);HDAC3 (p-S424)

## Research Background

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4), and some other non-histone substrates. 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. Probably participates in the regulation of transcription through its binding to the zinc-finger transcription factor YY1; increases YY1 repression activity. Required to repress transcription of the POU1F1 transcription factor. Acts as a molecular chaperone for shuttling phosphorylated NR2C1 to PML bodies for sumoylation.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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