



HDAC3

Mouse monoclonal Antibody

#53523

Catalog Number: 53523

Amount: 100µg/100µl

Swiss-Prot No. : O15379

Gene name: hdac3

Gene id: 8841

Clone Number: 3G3-H6-H10

Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Storage/Stability: Store at -20°C/1 year

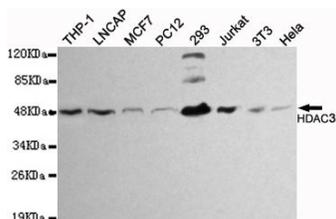
Immunogen: Purified recombinant human HDAC3 protein fragments expressed in E.coli

Purification: affinity-chromatography

Specificity/Sensitivity: This antibody detects endogenous levels of HDAC3 and does not cross-react with Akt2 and related proteins

Reactivity: Human, Mouse, Rat

Applications: Predicted MW: 49kd WB: 1:1000



Western blot detection of HDAC3 in THP-1, LNCAP, MCF7, PC12, 293, Jurkat, 3T3 and Hella cell lysates using HDAC3 mouse mAb (1:1000 diluted). Predicted band size: 49KDa. Observed band size: 49KDa.

Background:

Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene.