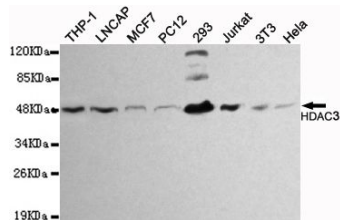




HDAC3

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 Hela 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.