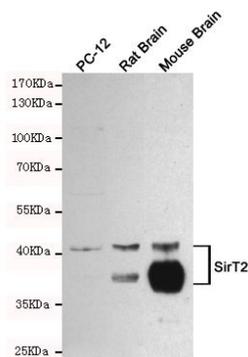




SirT2

Mouse monoclonal Antibody

#53549

Catalog Number: 53549**Amount:** 100µg/100µl**Swiss-Prot No. :** Q8IXJ6**Gene name:** sirt2**Gene id:** 22933**Clone Number:** 1D4-H11-H11**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 SirT2 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of SirT2 and does not cross-react with related proteins**Reactivity:** Human, Mouse, Rat**Applications:** Predicted MW: 39,43kd WB: 1:1000 IF:1:50

Western blot detection of SirT2 in PC-12, Rat Brain and Mouse Brain cell lysates using SirT2 mouse mAb (1:1000 diluted). Predicted band size: 39,43KDa. Observed band size: 39,43KDa.

Background:

This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Several transcript variants are resulted from alternative splicing of this gene.