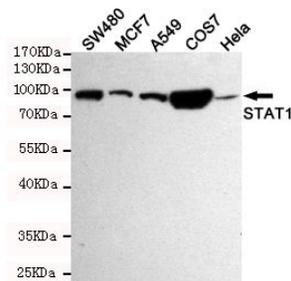


**STAT1****Mouse monoclonal Antibody****#53604****Catalog Number:** 53604**Amount:** 100µg/100µl**Swiss-Prot No. :** P42224**Gene name:** stat1**Gene id:** 6772**Clone Number:** 6C2-F7-D12**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human STAT1 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of STAT1 and does not cross-react with related proteins**Reactivity:** Human, Monkey**Applications:** Predicted MW: 91kd WB: 1:1000

Western blot detection of STAT1 in HeLa, MCF7, COS7, SW480 and A549 cell lysates using STAT1 mouse mAb (1:1000 diluted). Predicted band size: 91KDa. Observed band size: 91KDa.

Background:

The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described.