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# STAT1 Polyclonal Antibody

**Cat #:** G-AB-05244

**Host:** Rabbit **Reactivity:** Human, Mouse, Rat

**Isotype:** IgG **Clonality:** Polyclonal

**Overview:**
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.

**Gene ID:**

**Accession #:**

**Immunogen:** KLH conjugated Synthetic peptide corresponding to Mouse Stat1

**Conjugation:** Unconjugated

**Swissprot:** P42224,P42225,

**Calculated Molecular Weight:** 87 kDa

**Observed Molecular Weight:** 87 kDa

**Concentration:** 0.86 mg/mL

**Buffer:** PBS with 0.02% sodium azide, 1% BSA and 50% glycerol, pH7.4

**Purification Method:** Affinity purification

**Application:** WB

**Dilution:** WB 1:500-1:2000

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.