
STAT1 alpha Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253294

Unit: 0.1 mg

Description:

STATs (signal transducers and activators of transcription) are a family of cytoplasmic latent transcription factors that are activated to regulate gene expression in response to a large number of extracellular signaling polypeptides including cytokines, interferons, and growth factors. After phosphorylation by JAK tyrosine kinases, STATs enter the nucleus to regulate transcription of many different genes. Among the seven STATs (Stat1, Stat2, Stat3, Stat4, Stat5a, Stat5b, and Stat6), Stat1, Stat3, Stat5a, and Stat5b have a wide activation profile. STAT1 is activated by many different ligands including IFN family (IFN-alpha, IFN-beta, IFN-gamma and IL-10), gp130 family (IL-6, IL-11, LIF, CNTF, and G-CSF), and receptor tyrosine kinases (EGF, PDGF, and CSF-1). STAT1 has two forms, the 91 kDa STAT1alpha and the 84 kDa STAT1beta which are encoded by the same gene with splicing variant.

Isotype: Rabbit Ig

Applications: E, WB, ICC, IP

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by DEAE chromatography.

Alternate Names: STAT1 alpha ; STAT1 alpha; STAT1a

Accession No.: NP_009330

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human STAT1 alpha.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IP: 1:00-1:500; ICC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.