

Anti-STAT1 α Antibody

ORDERING INFORMATION

Catalog No.: 2429

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

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. STAT1 is activated by many different ligands including the interferon family, gp130 family, and receptor tyrosine kinases. STAT1 has two forms, the 91 kD STAT1 α and the 84 kD STAT1 β , which are encoded by the same gene with splicing variant.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 712-750 of human STAT1 α .

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes full-length STAT1 α (91 kD) and does not react with STAT1 β .

APPLICATIONS

Immunoblotting : use a 1:1,000 dilution.

Immunoprecipitation: use 2-4 ug antibody per sample.

Positive control: Whole cell lysate from HeLa cells, Jurkat cells, or A431 cells.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.