

CPAB0172

Product Information

Size:

5µg

Applications:

Western Blot, ELISA

Reactivity:

Human

Source:

Mouse

Isotype:

IgG1

Purification Method:**Protein Background:**

STAT1 is a member of the Signal Transducers and Activators of Transcription family of transcription factors. STAT1 is involved in upregulating genes due to a signal by either type I or type II interferons. In response to IFN- γ stimulation, STAT1 forms homodimers or heterodimers with STAT3 that bind to the GAS (Interferon-Gamma Activated Sequence) promoter element; in response to either IFN- γ or IFN- β stimulation, STAT1 forms a heterodimer with STAT2 that can bind the ISRE (Interferon Stimulated Response Element) promoter element. In either case, binding of the promoter element leads to an increased expression of ISG (Interferon Stimulated Genes).

Synonyms:

Signal transducer and activator of transcription 1-alpha/beta, Transcription factor ISGF-3 components p91/p84, STAT1, ISGF-3, STAT91, DKFZp686B04100.

Immunogen:

Anti-human STAT1 mAb, clone PAT1F4A, is derived from hybridization of mouse F myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human STAT1 protein 1-712 amino acids purified from E. coli.

Storage:

For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.