rev 12/19

Phospho STAT1 (Tyr701) Antibody

CATALOG NO.: **A1944-100 (100 µl)**

BACKGROUND DESCRIPTION: 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.

ALTERNATE NAMES: STAT1; CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91; signal transducer and activator of transcription 1

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: A phospho specific peptide corresponding to residues surrounding Tyr701 of human STAT1

MOLECULAR WEIGHT: 85 kDa

PURIFICATION: Affinity purified

FORM: Liquid

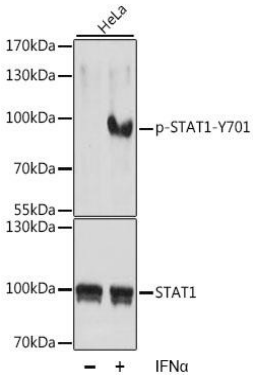
FORMULATION: In PBS with 0.02% sodium azide, 50% glycerol, pH7.3

SPECIES REACTIVITY: Human

STORAGE CONDITIONS: Store at -20ºC. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB 1:500 - 1:1000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of extracts of HeLa cells, using phospho STAT1 (Tyr701) antibody at 1:1000 dilution or STAT1 antibody. HeLa cells were treated by IFN-α (100 ng/ml) for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 60s.

RELATED PRODUCTS:

Phospho-Stat6 Antibody (3476)
Phospho-Stat5 Antibody (3475)
Stat5 Antibody (3472)
Anti- STAT1 Antibody (A1215)

FOR RESEARCH USE ONLY! Not to be used on humans.

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