

Phospho-Stat2 Polyclonal Antibody

CATALOG #: 3469-100

AMOUNT: 100 µg

LOT #: _____

HOST: Rabbit

IMMUNOGEN: Synthetic peptide corresponding to residues around amino acid 686 of mouse Stat2.

FORMULATION:

100 µg (0.5 mg/ml) immunoaffinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% thimerosal.

SPECIES REACTIVITY: Human, Mouse

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

Membrane receptor signaling by various ligands induces activation of Jak kinases which then leads to tyrosine phosphorylation of the various Stat transcription factors. Stat1 and Stat2 are induced by IFN- α and form a heterodimer which is part of the ISGF3 transcription factor complex. Although early reports indicate Stat3 activation by EGF and IL-6, it has been shown that Stat3 β appears to be activated by both while Stat3 α is activated by EGF, but not by IL-6. Highest expression of Stat4 is seen in testis and myeloid cells. IL-12 has been identified as an activator of Stat4. Stat5 is activated by prolactin and by IL-3. Stat6 is involved in IL-4 activated signaling pathways.

SPECIFICITY:

The antibody recognizes ~113 kDa phosphorylated Stat2 (Tyr689) of human and mouse origins. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used in Western blotting (1-4 µg/ml). However, the optimal concentrations should be determined individually.

FOR RESEARCH USE ONLY. Not to be used on humans

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Bioluminescence Cytotoxicity Assay Kit
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- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- CETP Activity Assay & Drug Discovery Kits
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
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