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Phospho-Stat2 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10340

Specification

Phospho-Stat2 Antibody - Product Information

Application	**WB**
Primary Accession	Q9WVL2.1
Other Accession	NP_064347
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**

Phospho-Stat2 Antibody - Additional Information

Application & Usage	**Western blotting (1-4 µg/ml). However, the optimal concentrations should be determined individually. The antibody recognizes ~113 kDa phosphorylated Stat2 (Tyr689) of human and mouse origins. Reactivity to other species has not been tested.**

Other Names
STAT2 , ISGF-3 , P113 , p113 , STAT113 , MGC59816

Target/Specificity
Phospho-STAT2

Antibody Form
Liquid

Appearance
Colorless liquid

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.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
Phospho-Stat2 Antibody is for research use only and not for use in diagnostic or therapeutic

procedures.

Phospho-Stat2 Antibody - Protein Information

Phospho-Stat2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Phospho-Stat2 Antibody - Images

Phospho-Stat2 Antibody - 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. Altho μgh early reports indicate Stat3 activation by EGF and IL-6, it has been shown that Stat3β appears to be activated by both while Stat3α 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.