AP0453

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Phospho-STAT1-S727 Rabbit pAb

Catalog No.: AP0453 5 Publications

Basic Information

Observed MW
87kDa

Calculated MW
87kDa

Category
Polyclonal Antibody

Applications
WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity
Human,Mouse,Rat

Background

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. The protein encoded by this gene 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. The protein plays an important role in immune responses to viral, fungal and mycobacterial pathogens. Mutations in this gene are associated with Immunodeficiency 31B, 31A, and 31C.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:100
IF/ICC	1:100 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID
6772

Swiss Prot
P42224

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91; Phospho-STAT1-S727

Product Information

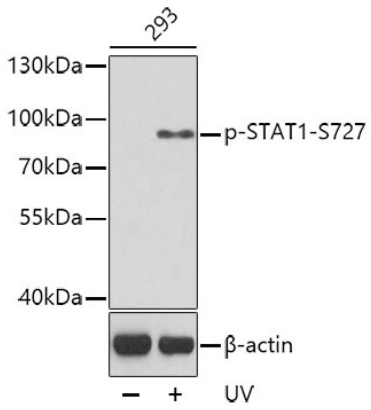
Source
Rabbit

Isotype
IgG

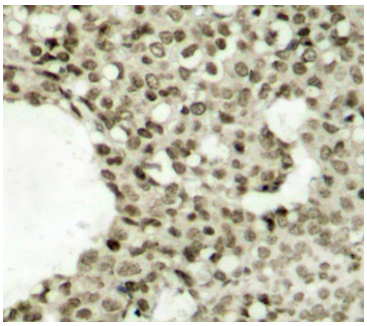
Purification
Affinity purification

Storage
Store at -20℃

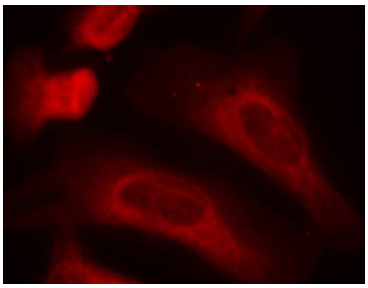
Validation Data



Western blot analysis of lysates from 293 cells, using Phospho-STAT1-S727 Rabbit pAb (AP0453).
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma tissue, using Phospho-STAT1-S727 Rabbit pAb (AP0453). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of methanol-fixed HeLa cells using Phospho-STAT1-S727 Rabbit pAb (AP0453).

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