

Product datasheet for **TA382088S**

STAT1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:100 IP,1:50 - 1:100
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho S727
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic phosphorylated peptide around S727 of human STAT1 (NP_009330.1).
Formulation:	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	83kDa/87kDa
Gene Name:	signal transducer and activator of transcription 1
Database Link:	Entrez Gene 6772 Human P42224



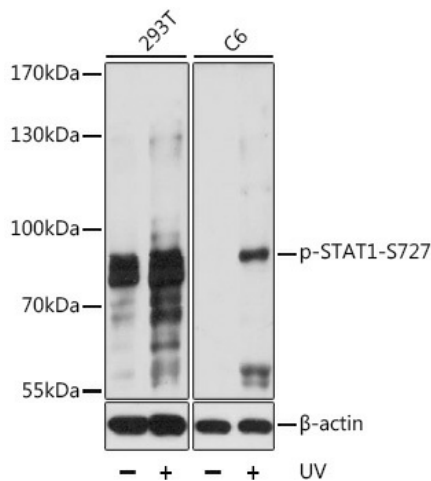
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Background:

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. 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.

Synonyms:

DKFZp686B04100; ISGF-3; OTTHUMP00000205845; STAT91

Product images:

Western blot analysis of extracts of various cell lines, using Phospho-STAT1-S727 antibody ([TA382088]) at 1:2000 dilution. 293T cells and C6 cells were treated by UV at room temperature for 15-30 minutes.. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% BSA. |Detection: ECL Basic Kit . |Exposure time: 5s.