

## STAT1 Antibody | anti-STAT1 antibody

STAT1 (Phospho-Ser727) Antibody

|                               |                                        |                                                                  |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA111855</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|

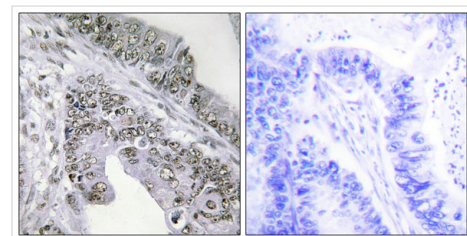
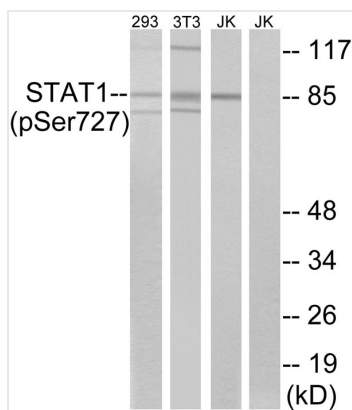
### PRODUCT SYNONYMS

STAT1; STAT1 (Phospho-Ser727) Antibody; Signal transducer and activator of transcription 1; Signal transducer and activator of transcription 1-alpha/beta; Transcription factor ISGF-3 components p91/p84; anti-STAT1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                     | STAT1 (Phospho-Ser727) antibody detects endogenous levels of STAT1 only when phosphorylated at serine 727.                                                                                                                                          |
| Purity/Purification                             | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                     | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                 | 750                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-STAT1 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                       | The antiserum was produced against synthesized phosphopeptide derived from human STAT1 around the phosphorylation site of serine 727 (P-M-SP-P-E).                                                                                                  |
| All Sites                                       | Human: Ser727<br>Mouse: Ser727<br>Rat: Ser727                                                                                                                                                                                                       |
| Preparation and Storage                         | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



Application Data  
P-peptide-+

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using STAT1 (Phospho-Ser727) antibody. Western blot analysis of extracts from 293 cells, 3T3 cells treated with UV (15mins) and Jurkat cells treated with eto (25uM, 24hours), using STAT1 (Phospho-Ser727) antibody.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                   |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-STAT1 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                        | Schindler C., Proc. Natl. Acad. Sci. U.S.A. 89:7836-7839(1992). Livingston R.J., Submitted (DEC-2004) to the EMBL/GenBank/DDBJ databases. Hillier L.W., Nature 434:724-731(2005).                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| NCBI GI #                        | 6274552                                                                     |
| NCBI GeneID                      | 6772                                                                        |
| NCBI Accession #                 | NP_009330.1                                                                 |
| NCBI GenBank Nucleotide #        | NM_007315.3                                                                 |
| UniProt Accession #              | P42224; Q53S88; Q53XW4; Q68D00; Q9UDL5; A8K989; B2RCA0; D2KFR8; D3DPI7      |
| Molecular Weight                 | 83,043 Da                                                                   |
| NCBI Official Full Name          | signal transducer and activator of transcription 1-alpha/beta isoform alpha |
| NCBI Official Synonym Full Names | signal transducer and activator of transcription 1                          |
| NCBI Official Symbol             | STAT1                                                                       |
| NCBI Official Synonym Symbols    | CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91                              |
| NCBI Protein Information         | signal transducer and activator of transcription 1-alpha/beta               |
| UniProt Protein Name             | Signal transducer and activator of transcription 1-alpha/beta               |
| UniProt Gene Name                | STAT1                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.