

# Anti- STAT1 (Phospho-Tyr701) Polyclonal Antibody



<u>Catalog No.</u>	<u>Size</u>
A100192-01	50 µl
A100192-02	100 µl

<b>Specificity</b>	Anti-STAT1 (Phospho-Tyr701) (human mouse rat)
<b>Source</b>	Rabbit Polyclonal
<b>Application</b>	WB ELISA IHC IP
<b>Form</b>	Liquid, 1 mg/ml

## Product

**Swiss-Prot No.:** P42224

**Other Names:** DKFZp686B04100; ISGF-3; signal transducer and activator of transcription 1, 91kDa; Signal transducer and activator of transcription 1-alpha/beta; signal transducer and activator of transcription-1; STAT1; STAT91; Transcription factor ISGF-3 components p91/p84

## Specificity and Sensitivity

STAT1 (phospho-Tyr701) antibody detects endogenous levels of STAT1 only when phosphorylated at tyrosine 701.

## Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human STAT1 around the phosphorylation site of tyrosine 701 (T-G-Y<sup>P</sup>-I-K).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

## Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000      IHC: 1:50~1:100  
ELISA: 1:10000      IP: Various Dilution

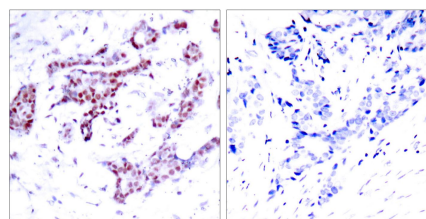
## Storage Buffer

Rabbit IgG 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.

## Storage Instructions

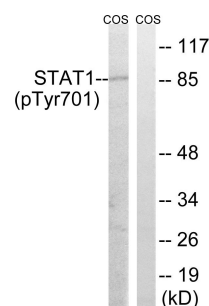
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

## Images



P-peptide      -      +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using STAT1 (phospho-Tyr701) antibody.



P-Peptide      -      +

Western blot analysis of extracts from COS7 cells, using STAT1 (phospho-Tyr701) antibody.