

# Product Datasheet

## STAT1 [p Tyr701] Antibody - BSA Free **NBP1-77825**

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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**NBP1-77825****STAT1 [p Tyr701] Antibody - BSA Free****Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**Product Description**

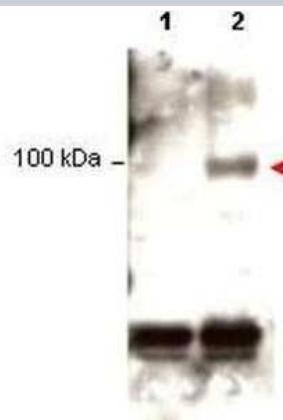
<b>Description</b>	This product was Protein A purified from monospecific antiserum  Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.
<b>Host</b>	Rabbit
<b>Gene ID</b>	6772
<b>Gene Symbol</b>	STAT1
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	A BLAST analysis was used to suggest cross-reactivity with STAT1 from mouse and rat based on 100% homology with the immunizing sequence. Partial reactivity is expected against STAT1 from human sources as 90% homology is noted. Cross-reactivity with STAT1 from other sources has not been determined.
<b>Specificity/Sensitivity</b>	This antibody is specific for mouse STAT1 protein phosphorylated at Y701. A BLAST analysis was used to suggest cross-reactivity with STAT1 from mouse and rat based on 100% homology with the immunizing sequence. Partial reactivity is expected against STAT1 from human sources as 90% homology is noted. Cross-reactivity with STAT1 from other sources has not been determined.
<b>Immunogen</b>	This Protein A purified STAT1 [p Tyr701] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to residues surrounding Y701 in the mouse STAT1 protein. (Uniprot: Q99K94)

**Product Application Details**

<b>Applications</b>	Western Blot, ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, ELISA 1:25000
<b>Application Notes</b>	This affinity purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 91 kDa in size corresponding to phosphorylated Stat1 protein by western blotting in the appropriate cell lysate or extract. This phospho-specific polyclonal antibody reacts with mouse Stat1 pY701 and shows minimal reactivity by ELISA against the non-phosphorylated form of the immunizing peptide.

## Images

Western Blot: STAT1 [p Tyr701] Antibody [NBP1-77825] - Shows detection of phosphorylated Stat1 (indicated by arrowhead at ~91 kDa) in K562 cells after 30 min treatment with 1Ku of hIFN- $\alpha$  (lane 2). No reactivity is seen for non-phosphorylated Stat1 in untreated cells (lane 1). The membrane was probed with the primary antibody at a 1:1,000 dilution at 4C, overnight. Personal Communication from Ana Gamero, CCR-NCI, Bethesda, MD.





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## Products Related to NBP1-77825

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB100-56314PEP	STAT1 Antibody Blocking Peptide

## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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