

Product Datasheet

STAT2 [p Tyr690] Antibody - BSA Free NB110-86975

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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NB110-86975

STAT2 [p Tyr690] Antibody - BSA Free

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

Product Description	
Description	<p>This affinity purified antibody is directed against human STAT2 protein. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography</p> <p>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.</p>
Host	Rabbit
Gene ID	6773
Gene Symbol	STAT2
Species	Human, Mouse
Reactivity Notes	Reactivity against homologues from other sources is not known
Specificity/Sensitivity	This affinity purified antibody is directed against human STAT2 pY690 protein. A BLAST analysis was used to suggest cross-reactivity with STAT2 pY690 protein from human, rat (73%) and mouse (76%), sources based on homology with the immunizing sequence. Reactivity against homologues from other sources is not known.
Immunogen	This affinity purified STAT2 [p Tyr690] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a C-terminus region near phospho Tyrosine 690 of human STAT2 protein. (Uniprot: P52630)

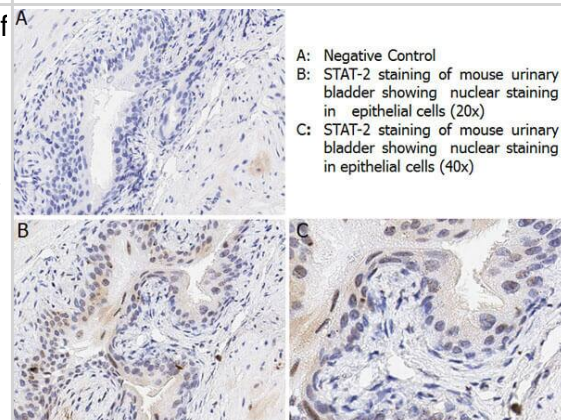
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, ELISA 1:85000, Immunohistochemistry 1:100, Immunohistochemistry-Paraffin 1:100
Application Notes	This affinity purified antibody has been tested for use in ELISA, western blotting, and IHC. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 113 kDa in size corresponding to STAT2 pY690 protein by western blotting in the appropriate cell lysate or extract.

Images

Western Blot: STAT2 [p Tyr690] Antibody [NB110-86975] - Analysis of Stat2pY690 protein (arrowhead) in Jurkat cells without (left lane) and with (right lane) 1000U/mL of IFN-a for 15 min at 37°C. Primary antibody was used at 1:1,000.



STAT2 [p Tyr690] Antibody showing nuclear positivity in epithelial cells of mouse urinary bladder tissue at 20x and 40x (B & C). Staining was performed on Leica Bond system using the standard protocol. Formalin fixed/paraffin embedded tissue sections were subjected to antigen retrieval and then incubated with rabbit anti-STAT2 pY690 antibody at 1:100 dilution for 60 minutes. Biotinylated Anti-rabbit secondary antibody was used at 1:200 dilution to detect primary antibody. The reaction was developed using streptavidin-HRP conjugated compact polymer system and visualized with chromogen substrate, 3'3-diamino-benzidine substrate (DAB). The sections were then counterstained with hematoxylin to detect cell nuclei.



Western blot using Immunochemicals affinity purified anti-Stat2pY690 antibody shows detection of Stat2pY690 protein (arrowhead). Loaded Jurkat cells treated without (left lane) or with (right lane) 1000U/mL of IFN-a for 15 min at 37°C. Primary antibody was used at 1:1,000. Personal Communication, A.Gamero, NCI, Bethesda, MD.





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Products Related to NB110-86975

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00006773-Q01-10ug	Recombinant Human STAT2 GST (N-Term) Protein

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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