

Product Datasheet

STAT5A [p Tyr694] Antibody (5F6.F1) - BSA Free NBP1-77817

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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NBP1-77817

STAT5A [p Tyr694] Antibody (5F6.F1) - 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. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5F6.F1
Preservative	0.01% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>Phospho STAT5A was purified from concentrated tissue culture supernate by Protein A chromatography</p> <p>Store this antibody 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. Phospho STAT5 antibody is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Mouse
Gene ID	6776
Gene Symbol	STAT5A
Species	Human, Mouse
Reactivity Notes	A BLAST analysis was used to suggest cross-reactivity with Stat5a from human, mouse and rat based on 100% homology with the immunizing sequence. Cross-reactivity with Stat5a from other sources has not been determined.
Specificity/Sensitivity	This antibody is specific for mouse Stat5a protein phosphorylated at Y694. A BLAST analysis was used to suggest cross-reactivity with Stat5a from human, mouse and rat based on 100% homology with the immunizing sequence. Cross-reactivity with Stat5a from other sources has not been determined.
Immunogen	STAT5AA [p Tyr694] antibody (5F6.F1) was produced by repeated immunizations with a synthetic peptide corresponding to residues surrounding Y694 of mouse STAT5Aa protein. (Uniprot: P42230)
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:20000, Immunohistochemistry 20-40 ug/ml, Immunocytochemistry/ Immunofluorescence 1:50-1:1000, Immunohistochemistry-Paraffin 20 ug/ml



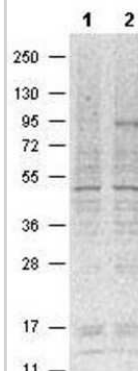
Application Notes

This product has been tested by ELISA, western blot, immunohistochemistry, and immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 91 kDa in size corresponding to phosphorylated Stat5a protein by western blotting in the appropriate cell lysate or extract. This phospho-specific monoclonal antibody reacts with mouse Stat5a pY694 and shows minimal reactivity by ELISA against the non-phosphorylated form of the immunizing peptide.

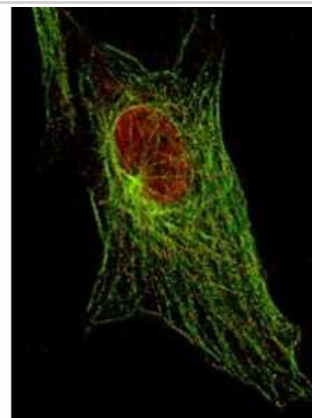


Images

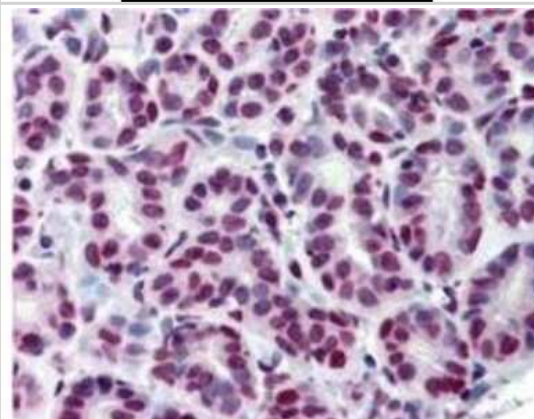
Western Blot: STAT5A [p Tyr694] Antibody (5F6.F1) [NBP1-77817] - Stat5 pY694 antibody shows detection of phosphorylated Stat5 (indicated by arrowhead at ~91 kDa) in NK92 cells after 30 min treatment with 1Ku of IL-2 (lane 2). No reactivity is seen for non-phosphorylated Stat5 in untreated cells (lane 1). The membrane was probed with the primary antibody at a 1:1,000 dilution, overnight at 4C. For detection Dye light 800 conjugated Gt-a-Mouse IgG was used at a 1:20,000 dilution for 30 min at room temperature



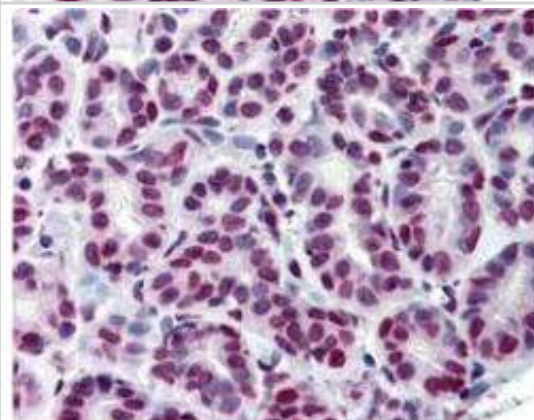
Immunocytochemistry/Immunofluorescence: STAT5A [p Tyr694] Antibody (5F6.F1) [NBP1-77817] - Used at a 1:500 dilution detecting Stat5 in 3T3 cells (immunofluorescent STED microscopy). Red represents Stat5 pY694 protein. Green represents tubulin.



Immunohistochemistry: STAT5A [p Tyr694] Antibody (5F6.F1) [NBP1-77817] - Analysis of phosphorylated Stat5pY694 in human breast tissue (40X). The antibody was used at a dilution of 1 to 20 ug/mL. The image shows breast epithelium with moderate nuclear staining. Tissue was formalin fixed and paraffin embedded. No pre-treatment of sample was required. The image shows the localization of antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain.



Immunohistochemistry of Monoclonal Anti-Stat5 pY694 Antibody. Tissue: human breast tissue (40X). Fixation: formalin fixed paraffin embedded (FFPE). Antigen retrieval: steam sections in 0.1 M sodium citrate buffer, pH 6, for 20 min. Rinse with 1XTBST. Primary antibody: Anti-Stat5pY694 at 20 ug/mL. Localization: breast epithelium with moderate nuclear staining. Staining: Stat5 pY694 as precipitated red signal, with a hematoxylin purple nuclear counterstain. Personal communication, Andrew Elston, Lifespan Biosciences, Seattle, WA.





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Products Related to NBP1-77817

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-77817IR	STAT5A [p Tyr694] Antibody (5F6.F1) [DyLight 755]

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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