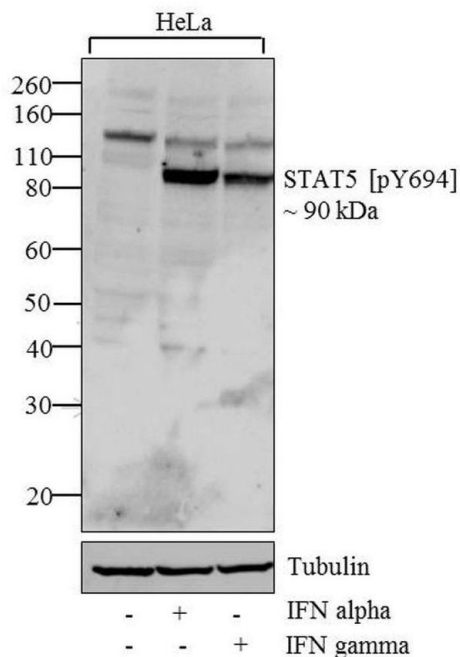


Phospho-STAT5 alpha (Tyr694) Polyclonal Antibody

Product Details	
Size	50 µg
Species Reactivity	Bovine, Human, Mouse, Sheep, Rat
Published Species	Tag, Rat, Non-human primate, Hamster, Zebrafish, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic tyrosine-phosphorylated peptide encompassing the conserved C-terminal tyrosine phosphorylation site (Y694) of murine STAT5. This peptide is conserved in human, bovine, sheep, and rat STAT5 proteins
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533991

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	31 Publications
Immunohistochemistry (IHC)	Assay-dependent	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	4 Publications
Immunohistochemistry - Free Floating (IHC (Free))	-	1 Publication
Immunocytochemistry (ICC/IF)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	-	1 Publication
ChIP assay (ChIP)	-	2 Publications
Gel Shift (GS)	-	1 Publication
Miscellaneous PubMed (Misc)	-	3 Publications

Product Images For Phospho-STAT5 alpha (Tyr694) Polyclonal Antibody

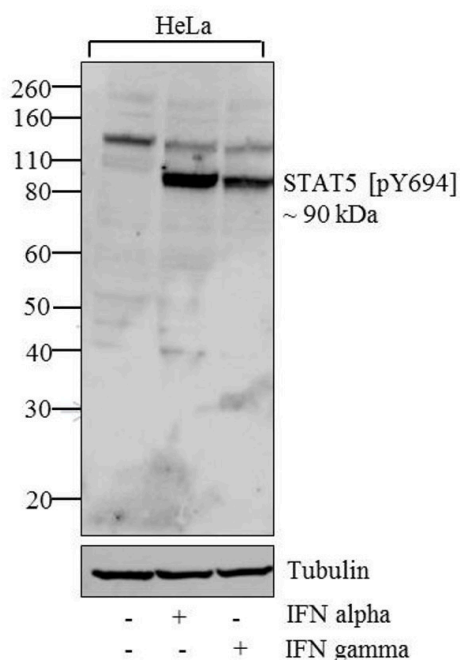
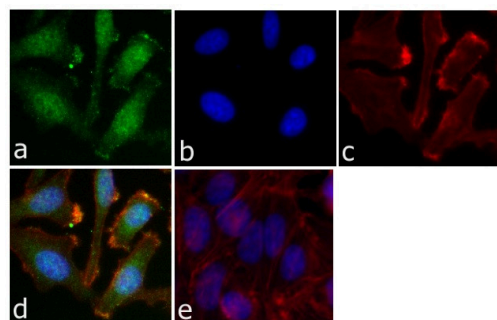


Phospho-STAT5 alpha (Tyr694) Antibody (71-6900)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot of Phospho-STAT5 alpha (Tyr694) using Phospho-STAT5 alpha (Tyr694) Polyclonal Antibody (Product # 71-6900), shows increased expression of Phospho-STAT5 alpha (Tyr694) in HeLa cell line upon IFN-alpha and IFN-gamma treatment. {TM}

Phospho-STAT5 alpha (Tyr694) Antibody (71-6900) in ICC/IF

Immunofluorescent analysis of STAT5 (pY694) was done on 70% confluent log phase HeLa cells; untreated & treated (serum starved for 16 hours followed by treatment with 20 ng/mL IFN alpha for 1 hour). The cells were fixed with 4% paraformaldehyde for 15 minutes; permeabilized with 0.25% Triton™ X-100 for 10 minutes followed by blocking with 5% BSA for 1 hour at room temperature. The cells were incubated with STAT5 (pY694) Rabbit Polyclonal Antibody (Product # 71-6900) at 2 µg - 4 µg in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor® 488 Goat Anti-Rabbit IgG Secondary Antibody (Product # A-11008) at a dilution of 1:400 for 30 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 594 Phalloidin (Product # A12381). Panel d is a merged image showing translocated STAT5 (pY694) in nucleus. Panel e shows no primary antibody. The images were captured at 20X magnification.



Phospho-STAT5 alpha (Tyr694) Antibody (71-6900) in WB

Western blot analysis of STAT5 (pY694) was performed by loading 20 µg of HeLa (lane1), HeLa treated for 60 minutes with 100 ng/mL of IFN alpha (lane2) and HeLa treated for 60 minutes with 100 ng/mL of IFN gamma (lane3) cell lysates using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002), Novex® Sharp Pre-Stained Protein Standard (LC5800). Proteins were transferred to a PVDF membrane and blocked with 5 % skim milk for 1 hour at room temperature. STAT5 (pY641) was detected at ~90 kDa using STAT5 (pY694) Rabbit polyclonal Antibody (Product # 71-6900) at 0.5 µg - 1 µg/mL in 2.5 % skim milk at 4°C overnight on a rocking platform. Goat Anti-Rabbit IgG - HRP Secondary Antibody (G21234) at 1:5000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

View more figures on [thermofisher.com](#)

47 References

Western Blot (31)

PLoS biology

Occludin is a target of Src kinase and promotes lipid secretion by binding to BTN1a1 and XOR.

"71-6900 was used in Western Blot to demonstrate that Ocln is a downstream target of Src kinase and promotes LD secretion by binding to BTN1a1 and XOR."

Authors: Lu Y,Zhou T,Xu C,Wang R,Feng D,Li J,Wang X,Kong Y,Hu G,Kong X,Lu P

Year
2022

Species
Mouse

Cancers

STAT5 is Expressed in CD34⁺/CD38⁻ Stem Cells and Serves as a Potential Molecular Target in Ph-Negative Myeloproliferative Neoplasms.

"71-6900 was used in Immunohistochemistry-immunofluorescence to show that CD34⁺/CD38⁻ MPN-SC express pSTAT5 and that pSTAT5 is expressed in the nuclear and cytoplasmic compartment of MPN cells."

Authors: Hadzijusufovic E,Keller A,Berger D,Greiner G,Wingelhofer B,Witzeneder N,Ivanov D,Pecnard E,Nivarthi H,Schur FKM,Filik Y,Kornauth C,Neubauer HA,Müllauer L,Tin G,Park J,de Araujo ED,Gunning PT,Hoermann G,Gouilleux F,Kralovics R,Moriggl R,Valent P

Year
2020

Species
Human

Dilution
1:1000

[View more WB references on thermofisher.com](#)

Immunohistochemistry (4)

Cancers

STAT5 is Expressed in CD34⁺/CD38⁻ Stem Cells and Serves as a Potential Molecular Target in Ph-Negative Myeloproliferative Neoplasms.

"71-6900 was used in Immunohistochemistry-immunofluorescence to show that CD34⁺/CD38⁻ MPN-SC express pSTAT5 and that pSTAT5 is expressed in the nuclear and cytoplasmic compartment of MPN cells."

Authors: Hadzijusufovic E,Keller A,Berger D,Greiner G,Wingelhofer B,Witzeneder N,Ivanov D,Pecnard E,Nivarthi H,Schur FKM,Filik Y,Kornauth C,Neubauer HA,Müllauer L,Tin G,Park J,de Araujo ED,Gunning PT,Hoermann G,Gouilleux F,Kralovics R,Moriggl R,Valent P

Year
2020

Species
Human

Dilution
1:1000

PloS one

Miz1 deficiency in the mammary gland causes a lactation defect by attenuated Stat5 expression and phosphorylation.

"Published figure using Phospho-STAT5 alpha (Tyr694) polyclonal antibody (Product # 71-6900) in Immunohistochemistry"

Authors: Sanz-Moreno A,Fuhrmann D,Wolf E,von Eyss B,Eilers M,Elsässer HP

Year
2015

Species
Mouse

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

- IHC (P) (4)
- IHC (Free) (1)
- IP (1)
- ChIP (2)
- GS (1)
- Misc (3)

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