

STAT3(Phospho-Tyr705) Antibody

Catalog No: #11045

Package Size: #11045-1 50ul #11045-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

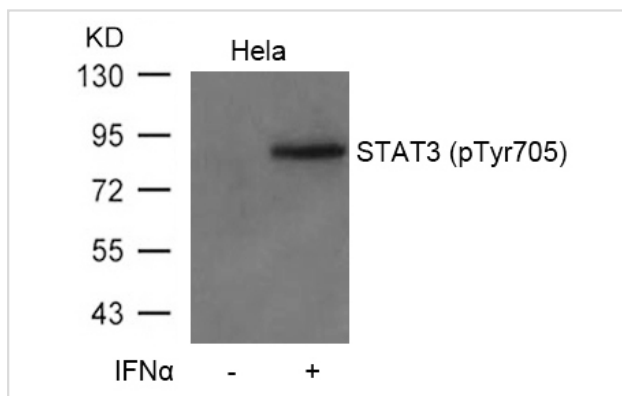
Description

Product Name	STAT3(Phospho-Tyr705) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	IF;WB;IHC;IP
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of STAT3 only when phosphorylated at tyrosine 705.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 705 (A-P-Y(p)-L-K) derived from Human STAT3.
Target Name	STAT3
Modification	Phospho
Other Names	APRF; Acute-phase response factor; HIES
Accession No.	Swiss-Prot: P40763NCBI Protein: NP_003141.2
Uniprot	P40763
GeneID	6774;
Concentration	1.0mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

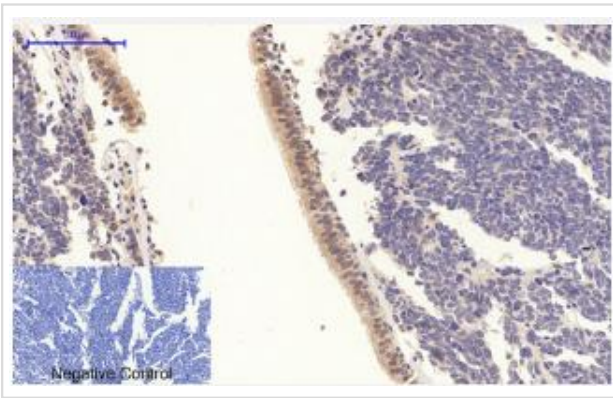
Application Details

IF 1:50-200 WB 1:500 - 1:2000. IHC 1:100 - 1:300. Immunoprecipitation: 2-5 ug:mg lysate.

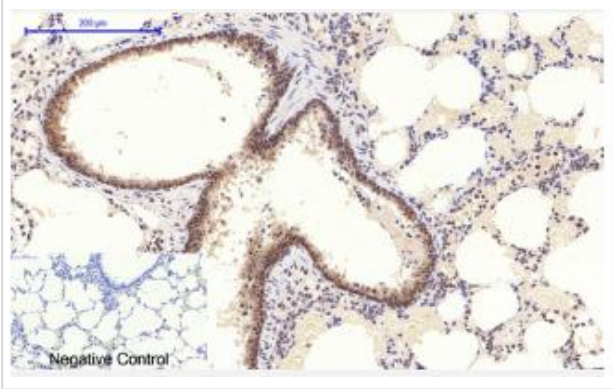
Images



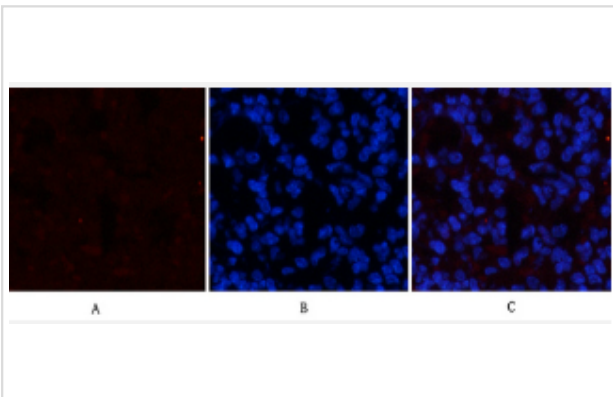
Western blot analysis of extracts from HeLa cells untreated or treated with IFN α using STAT3(Phospho-Tyr705) Antibody #11045.



Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue.



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue.



Immunofluorescence analysis of mouse-spleen tissue.

Background

Transcription factor that binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes.

Activated by IL31 through IL31RA.

Fan G, et al. (2003) J Biol Chem. 278(52): 52432-52436.

Barry FA, et al. (2003) FEBS Lett. 553(1-2): 173-178.

Welsh, et al. (1996) Trends Cell Biol. 6: 274-279.

Srivastava A K, et al. (1998) Mol Cell Biochem. 182: 135-141.

Note: This product is for in vitro research use only