

# STAT3(Ab-705) Antibody

Catalog No: #21045



Package Size: #21045-1 50ul #21045-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
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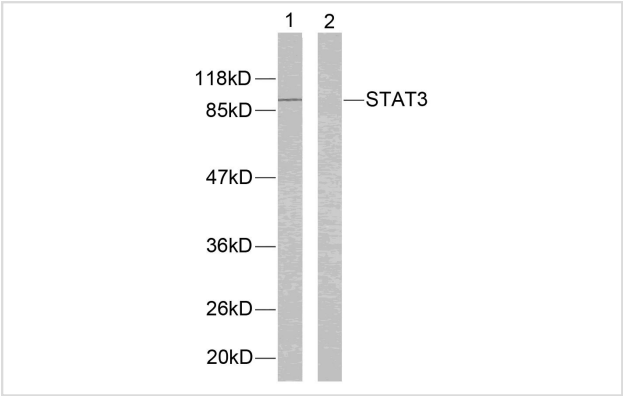
## Description

Product Name	STAT3(Ab-705) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total STAT3 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.703~707(A-P-Y-L-K) derived from Human STAT3.
Target Name	STAT3
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	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

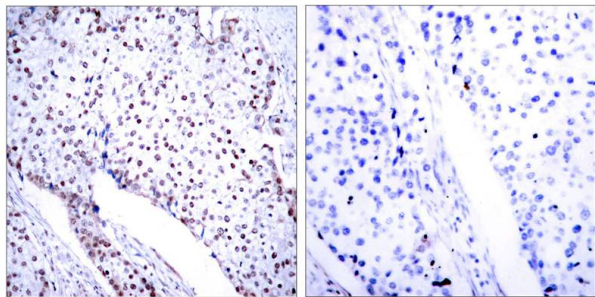
## Application Details

Predicted MW: 88kd  
Western blotting: 1:500~1:1000  
Immunohistochemistry: 1:50~1:100  
Immunofluorescence: IF:1:100~1:200

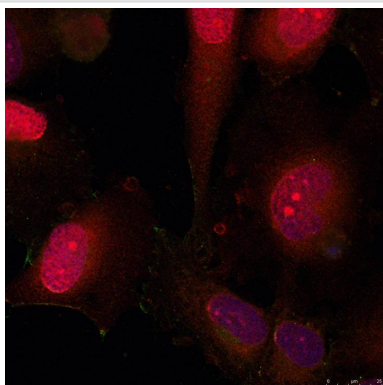
## Images



Western blot analysis of extracts from Hela cells using STAT3(Ab-705) Antibody #21045(lane 1)



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT3(Ab-705) antibody(#21045).



Immunofluorescence staining of methanol-fixed HeLa cells using STAT3(Ab-705) antibody (#21045, Red).

## 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.

Heim M H, (1999) J Recept Signal Transduct Res. 19: 75-120.

Takeda K, et al. (1997) Proc Natl Acad Sci USA. 94: 3801-3804.

Catlett-Falcone R, et al. (1999) Immunity. 10: 105-115.

Garcia R, et al. (1998) J Biomed Sci. 5: 79-85.

Bromberg J F, et al. (1999) Cell. 98: 295-303.

Note: This product is for in vitro research use only