STAT2(Ab-690) Antibody

Catalog No: #21536

Package Size: #21536-1 50ul #21536-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	STAT2(Ab-690) 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
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total STAT2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.688~692 (R-K-Y-L-K) derived from Human STAT2.
Target Name	STAT2
Other Names	P113; ISGF-3; STAT113
Accession No.	Swiss-Prot: P52630NCBI Protein: NP_005410.1
Uniprot	P52630
GeneID	6773;
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.

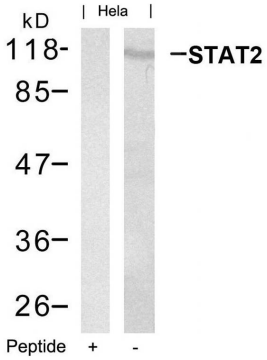
Application Details

Predicted MW: 113kd

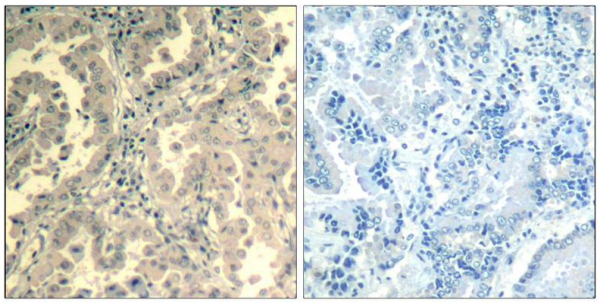
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from Hela cells using STAT2(Ab-690) Antibody #21536 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using STAT2(Ab-690) Antibody #21536(left) or the same antibody preincubated with blocking peptide(right).

Background

STAT2 encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. In response to interferon (IFN), this protein forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which this protein acts as a transactivator, but lacks the ability to bind DNA directly. Transcription adaptor P300/CBP (EP300/CREBBP) has been shown to interact specifically with this protein, which is thought to be involved in the process of blocking IFN-a response by adenovirus.

Fu, X. et al. (1992) Biochemistry 89, 7840-7843.
Park, C. et al. (2000) Immunity 13, 795-804.
Horvath, C. et al. (1996) Molecular and Cellular Biology 16, 6957-6964.
Improta, T. et al. (1994) Proc. Natl. Acad. Sci. USA 91, 4776-4780.

Note: This product is for in vitro research use only