

STAT2(Ab-690) Antibody

Catalog No: #21536



Package Size: #21536-1 50ul #21536-2 100ul #21536-4 25ul

Overview

Product Name	STAT2(Ab-690) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Hu
Immunogen Type	Peptide-KLH
Target Name	STAT2
Alternative Names	P113; ISGF-3; STAT113

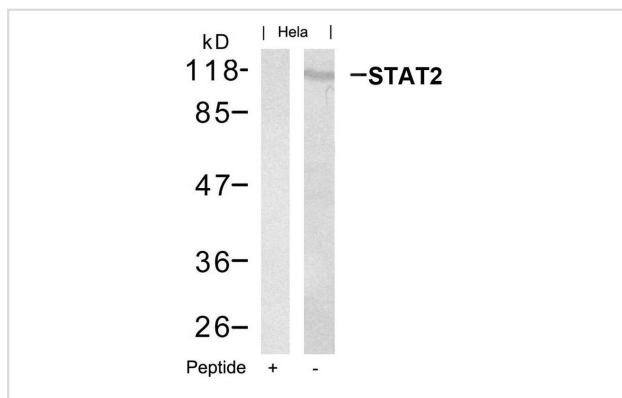
Application Details

Predicted MW: 113kd

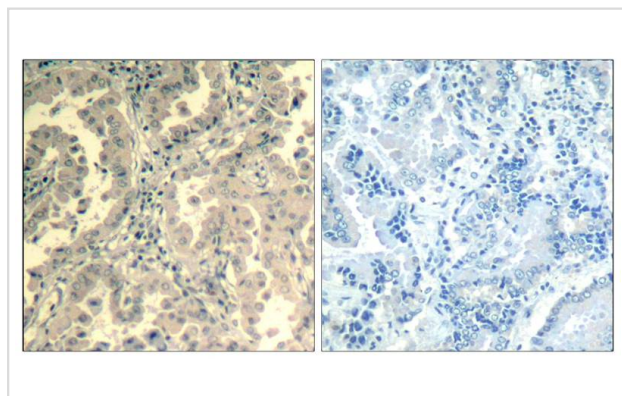
Western blotting: 1:500~1:1000

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).

Descriptions

Immunogen	Peptide sequence around aa.688~692 (R-K-Y-L-K) derived from Human STAT2.
Specificity	The antibody detects endogenous level of total STAT2 protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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.
Accession NO.	Swiss-Prot: P52630NCBI Protein: NP_005410.1

Related Information

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- α 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 and is not intended for use in humans or animals.