

## Basic Information

<b>Product Name</b>	Anti-STAT1 Antibody	
<b>Gene Name</b>	STAT1	
<b>Source</b>	Rabbit	
<b>Isotype</b>	IgG	
<b>Species Reactivity</b>	human	
<b>Tested Application</b>	WB, IHC, ICC/IF, IP, FCM	
<b>Contents</b>	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.	
<b>Immunogen</b>	A synthesized peptide derived from human STAT1 alpha	
<b>concentration</b>	500 ug/ml	
<b>Purification</b>	Affinity-chromatography	
<b>Observed MW</b>	91KD(Alpha)/84KD(Beta)	
<b>Dilution Ratios</b>	Western blot (WB):	1:1000-5000
	Immunohistochemistry in paraffin section (IHC):	1:20-100
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:20-100
	Immunoprecipitation:	1:20
	Flow cytometry (FCM):	1:20

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

Signal transducer and activator of transcription 1 (STAT1) is a transcription factor which in humans is encoded by the STAT1 gene. The protein 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. This protein can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described.

## Selected Validation Data

Product datasheet

## Anti-STAT1 Antibody

Catalog Number: **BM4697**

# BOSTER

antibody and ELISA experts

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Western blot analysis of STAT1 alpha expression in Hela cell lysate.

