STAT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	STAT2, Polyclonal Antibody
Full Product Name	Rabbit anti STAT2 Polyclonal Antibody
Product Gene Name	anti-STAT2 antibody
Product Synonym Names	signal transducer and activator of transcription 2, 113kDa
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purity/Purification	Purified by Epitope Affinity Purification
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C. The antibodies can be stored at 2 degree C - 8 degree C for one month without detectable loss of activity. Avoid repeated freezing-thawing cycles.
Molecular Weight	97,457 Da
OMIM	M97934 mRNA
Applications Tested/Suitable for anti-STAT2 antibody	ELISA (EIA), Flow Cytometry (FC/FACS), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-STAT2 antibody	ELISA: 0.01-0.1 ug/ml Flow Cytometry: 5-10 ug/ml Immunohistochemistry: 2-10 ug/ml Immunoprecipitation: 2-5 ug/ml Western Blot: 0.1-1 ug/ml
Related Product Information for anti-STAT2 antibody	MBS460090 is an antibody targeting STAT2. Also known as Rabbit anti STAT2 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-STAT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STAT2. It may not necessarily be applicable to this product.

NCBI GI #	1293920
NCBI GeneID	6773
NCBI Accession #	AAA98760.1
UniProt Secondary Accession #	Q16430; Q16431; Q9UDL4; B4DLC7; G3V2M6
UniProt Related Accession #	P52630
NCBI Official Full Name	Stat2

NCBI Official Synonym Full Names	signal transducer and activator of transcription 2
NCBI Official Symbol	STAT2
NCBI Official Synonym Symbols	P113; IMD44; ISGF-3; STAT113
UniProt Protein Name	Signal transducer and activator of transcription 2
UniProt Synonym Protein Names	p113
Protein Family	Signal transducer and activator of transcription
UniProt Gene Name	STAT2
NCBI Protein Information	signal transducer and activator of transcription 2
NCBI Summary for STAT2	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. 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-alpha response by adenovirus. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]
UniProt Comments for STAT2	STAT2: transcription factor of the STAT family. Phosphorylated and activated by receptor-associated kinases downstream of many cytokines and growth-factor receptors. Binds to the IFN-stimulated response element (ISRE) and to the Gas element. This multiprotein transcription factor is termed ISGF3. Two alternatively spliced isoforms have been described. Protein type: DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 12q13.3 Cellular Component: cytosol; nucleoplasm; plasma membrane Molecular Function: identical protein binding; protein binding Biological Process: defense response to virus; JAK-STAT cascade; regulation of protein amino acid phosphorylation; regulation of transcription from RNA polymerase II promoter Disease: Immunodeficiency 44
Research Articles on STAT2	**1.** STAT2 recruits USP18 to the type I IFN receptor subunit IFNAR2 via its constitutive membrane-distal STAT2-binding site.
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