STAT5 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	Stat5, Polyclonal Antibody
Full Product Name	Stat5 (phospho Ser726/731) Polyclonal Antibody
Product Gene Name	anti-Stat5 antibody
Clonality	Polyclonal
Molecular Weight	86,949 Da
OMIM	601511
3D Structure	ModBase 3D Structure for P42229
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-Stat5 antibody	MBS8520387 is an antibody targeting Stat5. Also known as Stat5 (phospho Ser726/731) Polyclonal Antibody.
Other Notes	Small volumes of anti-Stat5 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 Stat5. It may not necessarily be applicable to this product.

NCBI GI #	570359553
NCBI GeneID	6776
NCBI Accession #	NP_001275647.1
UniProt Primary Accession #	P42229
UniProt Secondary Accession #	Q1KLZ6
UniProt Related Accession #	P42229
GenBank Nucleotide #	NM_001288718.1
NCBI Official Full Name	signal transducer and activator of transcription 5A isoform 1
NCBI Official Synonym Full Names	signal transducer and activator of transcription 5A
NCBI Official Symbol	STAT5A
NCBI Official Synonym Symbols	MGF; STAT5
UniProt Protein Name	Signal transducer and activator of transcription 5A
Protein Family	Signal transducer and activator of transcription
UniProt Gene Name	STAT5A
UniProt Synonym Gene Names	STAT5
NCBI Protein Information	signal transducer and activator of transcription 5A

NCBI Summary for Stat5	The protein encoded by this gene is a member of the STAT family of transcription factors. 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 is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2013]
UniProt Comments for Stat5	Carries out a dual function: signal transduction and activation of transcription. Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Mediates cellular responses to ERBB4. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. Binds to the GAS element and activates PRL-induced transcription. Regulates the expression of milk proteins during lactation.
Research Articles on Stat5	**1.** These results indicate that IL-3 regulates endothelial cells-extracellular vesicles release, cargo and IL-3 angiogenic paracrine action via STAT5.
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