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Product datasheet for TA347058S

STAT3 Mouse Monoclonal Antibody [Clone ID: 4C8-1C9-H8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4C8-1C9-H8
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human, Mouse, Rat, Hamster, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for STAT3 antibody: purified recombinant human STAT3 protein fragments expressed in E.coli
Formulation:	ascites
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	88 kDa
Gene Name:	signal transducer and activator of transcription 3
Database Link:	NP_644805 Entrez Gene 20848 MouseEntrez Gene 25125 RatEntrez Gene 6774 Human P40763

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Background:	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 is activated through phosphorylation in response to various cytokines and growth factors including IFNs,EGF,IL5,IL6,HGF,LIF and BMP2.This protein mediates the expression of a variety of genes in response to cell stimuli,and thus plays a key role in many cellular processes such as cell growth and apoptosis.The small GTPase Rac1 has been shown to bind and regulate the activity of this protein.PIAS3 protein is a specific inhibitor of this protein.Three alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq,Jul 2008]
Synonyms:	ADMIO; APRF; HIES
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Acute myeloid leukemia, Adipocytokine signaling pathway, Chemokine signaling pathway, Jak-STAT signaling pathway, Pancreatic cancer, Pathways in cancer