

Mouse Stat5 (Tyr-694) Monoclonal Antibody | anti-STAT5A antibody

Stat5 (Tyr-694), phospho-specific

CATALOG # AAA71509	HOST Mouse	REACTIVITY Human, Rat, Mouse	APPLICATIONS Western Blot, ELISA
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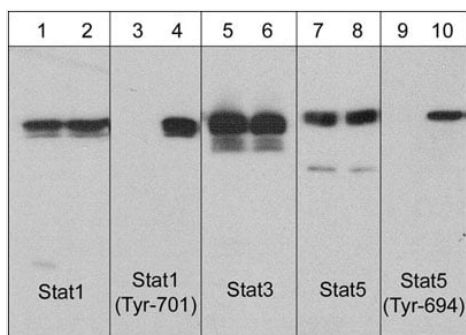
PRODUCT SYNONYMS

Stat5 (Tyr-694); Monoclonal Antibody; phospho-specific; Signal transducer and activator of transcription 5A; Stat5A; anti-STAT5A antibody

PRODUCT SPECIFICATIONS

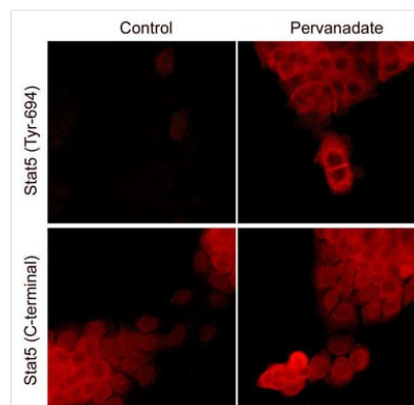
Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	The antibody detects a 92 kDa* band corresponding to Stat5A on SDS-PAGE immunoblots of human A431 cells treated with EGF, but does not detect this band in control cells.
Purity/Purification	Protein A Purified
Form/Format	Mouse monoclonal antibody purified with protein A chromatography is supplied in 100ml phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Sequence Length	794
Applicable Applications for anti-STAT5A antibody	WB (Western Blot), ELISA
Immunogen	Clone (M148) was generated from a synthetic peptide (coupled to KLH) corresponding to amino acid residues around tyrosine 694 of human Stat5A. This peptide sequence is identical to tyrosine 699 in human Stat5B, and has high homology to the conserved tyrosine site in rat and mouse Stat5A/B.
Preparation and Storage	Store at -20 degree C. Do not aliquot. Stable for 1 year.

IMAGES



WB (Western Blot)

Western blot analysis of human A431 cells untreated (lanes 1, 3, 5, 7 & 9) or treated with EGF (100 nM) for 60 min (lanes 2, 4, 6, 8 & 10). The blots were probed with anti-Stat1 (lanes 1 & 2), anti-Stat1 (Tyr-701) (lanes 3 & 4), anti-Stat3 (lanes 5 & 6), anti-Stat5 (lanes 7 & 8), and anti-Stat5 (Tyr-694) (lanes 9 & 10).



ICC (Immunocytochemistry)

Immunocytochemical labeling of Stat5 in control and pervanadate-treated A431 cells. The cells were labeled with mouse monoclonal Stat5 or Stat5 (Tyr-694) (AAA71509) antibodies, then the antibodies were detected using appropriate secondary antibody conjugated to DyLight® 594.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT5A antibody	The stat proteins function both as cytoplasmic signal transducers and as activators of transcription. Stat5 is activated in response to a wide variety of ligands including IL-2, GM-CSF, growth hormone and prolactin. Phosphorylation at Tyr-694 is required for Stat5A activation. Stat5 has been found to be constitutively active in some leukemic cell types. Phosphorylated Stat5 is found in some endothelial cells treated with IL-3, which suggests its involvement in angiogenesis and cell motility. Both Stat5A (Tyr-694) and Stat5B (Tyr-699) are independently regulated and activated in various cell types. For instance, both isoforms are activated in response to IFN-alpha in B cells, but only Stat5alpha is phosphorylated in response to IFN-alpha in HeLa cells.
References	• Gouilleux, F. et al. (1994) EMBO J. 13:4361. • Wakao, H. et al. (1994) EMBO J. 13:2182. • Wakao, H. et al. (1994) EMBO J. 13:2182. • Darnell, J.E. (1997) Science 277:1630.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618342
NCBI GeneID	6776
NCBI Accession #	NP_003143.2
NCBI GenBank Nucleotide #	NM_003152.3
UniProt Accession #	P42229; Q1KLZ6; Q59GY7; Q8WWS9
Molecular Weight	90516 Da
NCBI Official Full Name	signal transducer and activator of transcription 5A
NCBI Official Synonym Full Names	signal transducer and activator of transcription 5A
NCBI Official Symbol	STAT5A
NCBI Official Synonym Symbols	MGF; STAT5
NCBI Protein Information	signal transducer and activator of transcription 5A; OTTHUMP00000198376
UniProt Protein Name	Signal transducer and activator of transcription 5A
UniProt Gene Name	STAT5A
UniProt Synonym Gene Names	STAT5
UniProt Entry Name	STA5A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/stat5-tyr-694-antibody-western-blot-elisa/71509>