

Rabbit Phospho-STAT5-Y694 Polyclonal Antibody | anti-STAT5-Y694 antibody

Phospho-STAT5-Y694 Rabbit pAb

CATALOG # AAA282113	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Phospho-STAT5-Y694; Polyclonal Antibody; Phospho-STAT5-Y694 Rabbit pAb; MGF; STAT5; stat5a/stat5b; anti-STAT5-Y694 antibody

PRODUCT SPECIFICATIONS

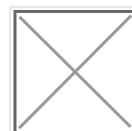
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Applicable Applications for anti-STAT5-Y694 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A phospho specific peptide corresponding to residues surrounding Y694 of human STAT5.
Positive Samples	K562
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse liver using Phospho-STAT5-Y694 antibody at dilution of 1:200 (40x lens).



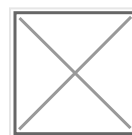
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using Phospho-STAT5-Y694 antibody at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat heart using Phospho-STAT5-Y694 antibody at dilution of 1:200 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of A-431 cells, using Phospho-STAT5-Y694 pAb at 1:1000 dilution or STAT5B antibody (A12356).A-431 cells were treated by EGF (100 ng/mL) at 37°C for 30 minutes after serum-starvation overnight.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% BSA.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.



WB (Western Blot)

Western blot analysis of extracts of K562 cells, using Phospho-STAT5-Y694 pAb at 1:1000 dilution. K-562 cells were treated by ATP (5 mM) at 30°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 1 s.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT5-Y694 antibody	Background: 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.
Product Categories/Family for anti-STAT5-Y694 antibody	Phosphorylated Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618342
NCBI GeneID	6776
NCBI Accession #	NP_003143.2
NCBI GenBank Nucleotide #	NM_003152.3
UniProt Accession #	P42229; P51692
Molecular Weight	90,647 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
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.