

Rabbit anti-Human, Rat STAT2 Polyclonal Antibody | anti-STAT2 antibody

Phospho-STAT2 (Tyr690) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321648	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

STAT2; Polyclonal Antibody; Phospho-STAT2 (Tyr690) Antibody; Homo sapiens interferon alpha induced transcriptional activator; interferon alpha induced transcriptional activator; ISGF 3; ISGF3; MGC59816; P113; signal transducer and activator of transcription 2 113kD; Signal transducer and activator of transcription 2; STAT113; Stat2; STAT2_HUMAN; anti-STAT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	851
Applicable Applications for anti-STAT2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human STAT2 around the phosphorylation site of Tyr690.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



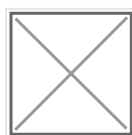
WB (Western Blot)

Western blot analysis of Phospho-STAT2 (Tyr690) expression in various lysates



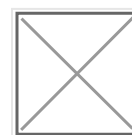
WB (Western Blot)

Western blot analysis of STAT2 phosphorylation expression in IFN treated HeLa whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321648 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA321648 at 1/100 staining human Breast carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT2 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885615
NCBI GeneID	6773
NCBI Accession #	NP_005410.1
NCBI GenBank Nucleotide #	NM_005419.3
UniProt Accession #	P52630; Q16430; Q16431; Q9UDL4; B4DLC7; G3V2M6
Molecular Weight	113 kDa
NCBI Official Full Name	signal transducer and activator of transcription 2 isoform 1
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
NCBI Protein Information	signal transducer and activator of transcription 2
UniProt Protein Name	Signal transducer and activator of transcription 2
UniProt Gene Name	STAT2

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/polyclonal/stat2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321648>