

Rabbit STAT6 Polyclonal Antibody | anti-STAT6 antibody

STAT6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322314	Rabbit	Human, Mouse, Rat	ELISA, Immunoprecipitation, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

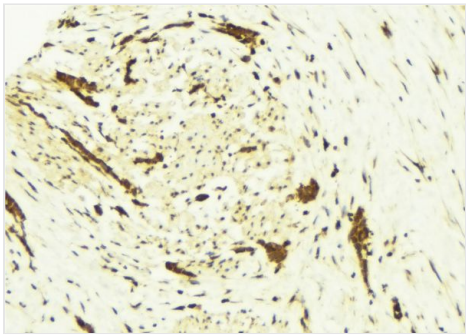
PRODUCT SYNONYMS

STAT6; Polyclonal Antibody; STAT6 Antibody; 12S1644; D12S1644; IL 4 STAT; IL-4 Stat; IL4 STAT; Interleukin 4 Induced; Interleukin 4 Induced Transcription Factor IL4 STAT; Signal transducer and activator of transcription 6; Signal Transducer And Activator Of Transcription 6 Interleukin 4 Induced; Signal Transducer And Activator Of Transcription 6 Nirs Variant 1; interleukin 4 induced; STAT 6; STAT interleukin4 induced; STAT; interleukin4 induced; Stat6; STAT6_HUMAN; STAT6B; STAT6C; Transcription factor IL 4 STAT; anti-STAT6 antibody

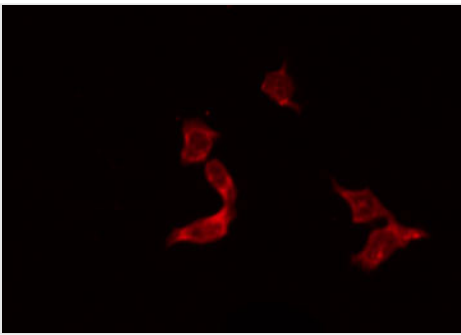
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	STAT6 antibody detects endogenous levels of total STAT6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
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	847
Applicable Applications for anti-STAT6 antibody	ELISA, IP (Immunoprecipitation), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human STAT6
Subcellular Location	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

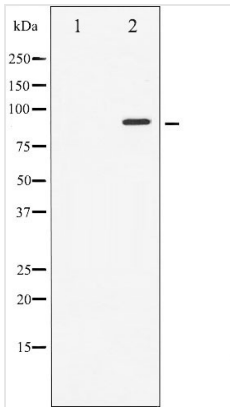
IMAGES



IHC (Immunohistochemisry)
AAA322314 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample 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.



IF (Immunofluorescence)
AAA322314 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.



WB (Western Blot)
Western blot analysis of STAT6 expression in HeLa whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT6 antibody

Description: STAT6 transcription factor of the STAT family. Plays a central role in IL4-mediated biological responses. Induces the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Function: Carries out a dual signal transduction and activation of transcription. Involved in IL4/interleukin-4-and IL3/interleukin-3-mediated signaling. Subunit Structure: Forms a homodimer or a heterodimer with a related family member (By similarity). Interacts with NCOA1 via its C-terminal LXXLL motif. Post-translational Modifications: Tyrosine phosphorylated on Tyr-641 following stimulation by IL4/interleukin-4 (PubMed:27796300). Tyrosine phosphorylated following stimulation by IL3/interleukin-3 (By similarity). Dephosphorylation on tyrosine residues by PTPN2 negatively regulates the IL4/interleukin-4 mediated signaling (PubMed:17210636). Mono-ADP-ribosylated by PARP14. Similarity: Belongs to the transcription factor STAT family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	296010864
NCBI GeneID	6778
NCBI Accession #	NP_001171549.1
NCBI GenBank Nucleotide #	NM_001178078.1
UniProt Accession #	P42226; Q5FBW5; Q71UP4; A8K316; B7ZA27; F5GXI9

Molecular Weight	Observed: 94 kDa Predicted: 95 kDa
NCBI Official Full Name	signal transducer and activator of transcription 6 isoform 1
NCBI Official Synonym Full Names	signal transducer and activator of transcription 6
NCBI Official Symbol	STAT6
NCBI Official Synonym Symbols	STAT6B; STAT6C; D12S1644; IL-4-STAT
NCBI Protein Information	signal transducer and activator of transcription 6
UniProt Protein Name	Signal transducer and activator of transcription 6
UniProt Gene Name	STAT6

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/stat6-antibody-immunoprecipitation-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322314>