

Rabbit STAT1 alpha Polyclonal Antibody | anti-STAT1 antibody

STAT1 alpha Antibody

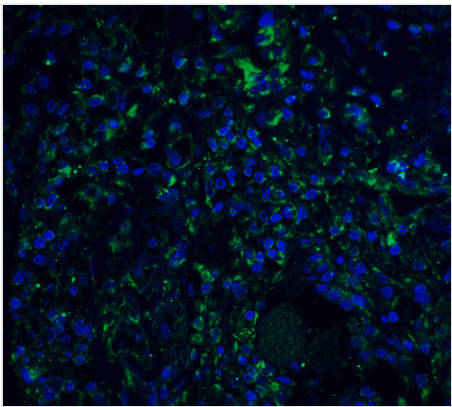
CATALOG # AAA40223	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunoprecipitation, Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

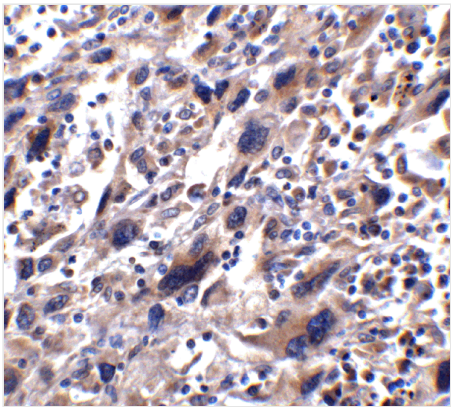
STAT1 alpha; Polyclonal Antibody; STAT1 alpha Antibody; CANDF7; ISGF-3; STAT91; signal transducer and activator of transcription 1; 91kDa; anti-STAT1 antibody

PRODUCT SPECIFICATIONS

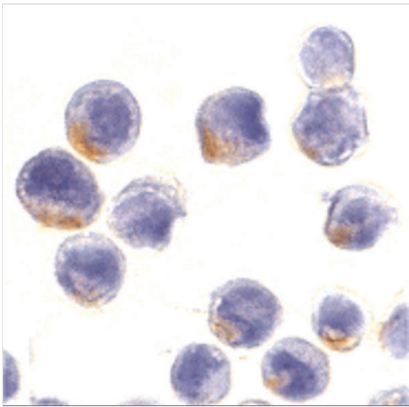
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No reaction to the 84 kDa STAT1a.
Purity/Purification	STAT1 alpha Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Sequence Length	750
Applicable Applications for anti-STAT1 antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	STAT1 antibody was raised against a peptide corresponding to amino acids near the carboxy terminus of human STAT1 alpha. The sequences differ from the murine corresponding sequences by four amino acids.
Buffer	STAT1 alpha Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	STAT1 alpha antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



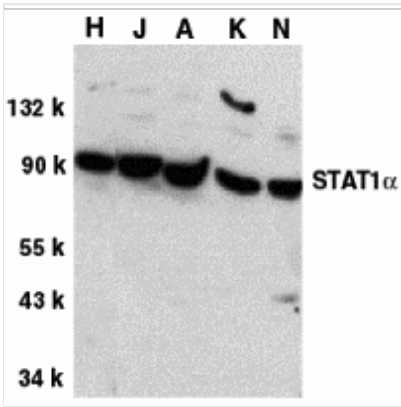
IF (Immunofluorescence)
Immunofluorescence of STAT1 alpha in human colon tissue with STAT1 alpha antibody at 20 μg/mL. Green: STAT1 alpha Antibody (1021) Blue: DAPI staining



IHC (Immunohistochemistry)
Immunohistochemistry of STAT1alpha in human colon tissue with STAT1alpha antibody at 2.5 μg/ml.



ICC (Immunocytochemistry)
Immunocytochemistry of STAT1 alpha in HeLa cells with STAT1 alpha antibody at 10 μg/mL.



WB (Western Blot)
Western blot analysis of STAT1 alpha in whole cell lysates from HeLa (H), Jurkat (J), A431 (A), K562 (K), and NIH3T3 (N) cells, with STAT1a antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-STAT1 antibody	STAT1 alpha Antibody: STATs (signal transducers and activators of transcription) are a family of cytoplasmic latent transcription factors that are activated to regulate gene expression in response to a large number of extracellular signaling polypeptides including cytokines, interferons, and growth factors. After phosphorylation by JAK tyrosine kinases, STATs enter the nucleus to regulate transcription of many different genes. Among the seven STATs (Stat1, Stat2, Stat3, Stat4, Stat5a, Stat5b, and Stat6), Stat1, Stat3, Stat5a, and Stat5b have a wide activation profile. STAT1 is activated by many different ligands including IFN family (IFN- α , IFN- β , IFN- γ and IL-10), gp130 family (IL-6, IL-11, LIF, CNTF, and G-CSF), and receptor tyrosine kinases (EGF, PDGF, and CSF-1). STAT1 has two forms, the 91 kDa STAT1 β and the 84 kDa STAT1 α which are encoded by the same gene with splicing variant.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6274552
NCBI GeneID	6772
NCBI Accession #	NP_009330
NCBI GenBank Nucleotide #	NM_007315.3
UniProt Accession #	P42224; Q53S88; Q53XW4; Q68D00; Q9UDL5; A8K989; B2RCA0; D2KFR8; D3DPI7
Molecular Weight	91 kDa
NCBI Official Full Name	signal transducer and activator of transcription 1-alpha/beta isoform alpha

NCBI Official Synonym Full Names	signal transducer and activator of transcription 1, 91kDa
NCBI Official Symbol	STAT1
NCBI Official Synonym Symbols	CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91
NCBI Protein Information	signal transducer and activator of transcription 1-alpha/beta; transcription factor ISGF-3 components p91/p84; signal transducer and activator of transcription-1; signal transducer and activator of transcription 1, 91kD
UniProt Protein Name	Signal transducer and activator of transcription 1-alpha/beta
UniProt Gene Name	STAT1
UniProt Entry Name	STAT1_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://www.aaabiotech.com/polyclonal/stat1-alpha-antibody-immunoprecipitation-immunocytochemistry-western-blot-elisa/40223>