Rabbit STAT1 alpha Polyclonal Antibody | anti-STAT1 alpha antibody

STAT1 alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304333	**Rabbit**	**Human, Mouse, Rat**	**Immunoprecipitation, Immunocytochemistry, Western Blot, ELISA**

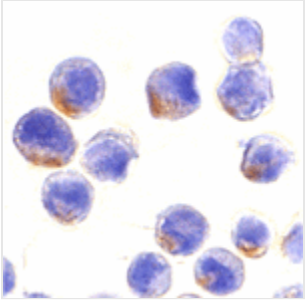
PRODUCT SYNONYMS

STAT1 alpha; Polyclonal Antibody; STAT1 alpha Antibody; STAT1a; anti-STAT1 alpha antibody

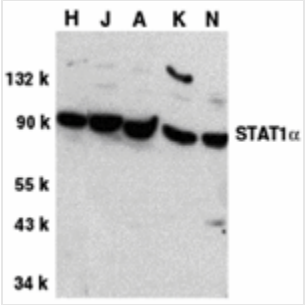
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	No reaction to the 84 kDa STAT1a.
Purity/Purification	DEAE purified
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	750
Applicable Applications for anti-STAT1 alpha antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	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.
Target Name	STAT1 alpha
Preparation and Storage	Can be stored at -20 degree C, stable for 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.

IMAGES



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

ADDITIONAL INFORMATION

Related Product Information for anti-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-a, IFN-b, IFN-g 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 STAT1a and the 84 kDa STAT1b which are encoded by the same gene with splicing variant.
Product Categories/Family for anti-STAT1 alpha antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	6274552
NCBI GeneID	6772
NCBI Accession #	NP_009330
NCBI GenBank Nucleotide #	NM_007315.3
Molecular Weight	83,043 Da
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
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/304333