

Rabbit anti-Human, Rat Stat3-Y705 Antibody | anti-Stat3 antibody

Phospho-Stat3-Y705 Polyclonal Antibody

CATALOG # AAA36779	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Western Blot
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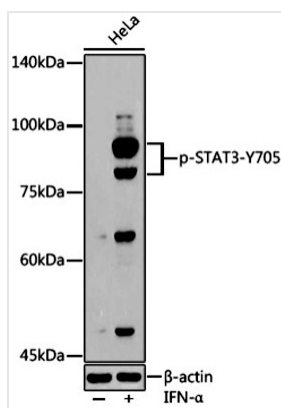
PRODUCT SYNONYMS

Stat3-Y705; Phospho-Stat3-Y705 Polyclonal Antibody; Phospho-Stat3-Y705: STAT3; APRF; HIES; FLJ20882; MGC16063; anti-Stat3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	770
Applicable Applications for anti-Stat3 antibody	WB (Western Blot)
Immunogen	A synthetic phosphorylated peptide around Y705 of human Phospho-STAT3-Y705 (NP_644805.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of HeLa cells, using Phospho-STAT3-Y705 antibody (AAA36779) at 1:500 dilution. HeLa cells were treated by IFN- α ; (100 ng/ml) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-Stat3 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. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper-immunoglobulin E syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Product Categories/Family for anti-Stat3 antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	48429227
NCBI GeneID	6774
UniProt Accession #	P40763; O14916; Q9BW54; A8K7B8; K7ENL3
Molecular Weight	Observed MW: 79KDa/86KDa Calculated MW: 83kDa/87kDa/88kDa
NCBI Official Full Name	Signal transducer and activator of transcription 3
NCBI Official Synonym Full Names	signal transducer and activator of transcription 3 (acute-phase response factor)
NCBI Official Symbol	STAT3
NCBI Official Synonym Symbols	APRF; HIES; ADMIO
NCBI Protein Information	signal transducer and activator of transcription 3; DNA-binding protein APRF; acute-phase response factor
UniProt Protein Name	Signal transducer and activator of transcription 3
UniProt Gene Name	STAT3
UniProt Synonym Gene Names	APRF
UniProt Entry Name	STAT3_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://stage.aaabiotech.com/rabbit-human-rat-antibody/stat3-y705/36779>