

Rabbit anti-Human STAT3 phospho Tyr705 Polyclonal Antibody | anti-STAT3 antibody

STAT3 phospho Tyr705 antibody (pAb)

CATALOG # AAA59891	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Dot Blot
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PRODUCT SYNONYMS

STAT3 phospho Tyr705; Polyclonal Antibody; STAT3 phospho Tyr705 antibody (pAb); APRF; HIES; anti-STAT3 antibody

PRODUCT SPECIFICATIONS

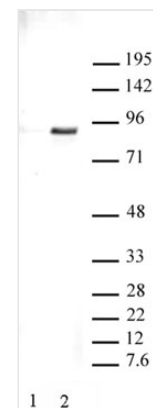
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Form/Format	Rabbit serum containing 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-STAT3 antibody	WB (Western Blot), DB (Dot Blot)
Conjugation	Phosphorylated
Immunogen	This STAT3 phospho Tyr705 antibody was raised against a peptide containing phosphorylated Tyr705 of human STAT3.
Abs Residue	Tyr
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



DB (Dot Blot)

STAT3 phospho Tyr705 pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of STAT3 phospho Tyr705 pAb for STAT3 phospho Tyr705. Phosphorylated peptides corresponding to the immunogen and related peptides were spotted onto PVDF and probed with the antibody at 1:10,000. The amount of peptide (picomoles) spotted is indicated next to each row. Lane 1: Unmodified Ser727 STAT1 peptide. Lane 2: Phospho Ser727 STAT1 peptide. Lane 3: Unmodified Tyr689 STAT2 peptide. Lane 4: Phospho Tyr689 STAT2 peptide. Lane 5: Unmodified Ser727 STAT3 peptide. Lane 6: Phospho Ser727 STAT3 peptide. Lane 7: Unmodified Tyr705 STAT3 peptide. Lane 8: Phospho Tyr705 STAT3 peptide. Lane 9: Unmodified Ser726 STAT5A/Ser731 STAT5B peptide. Lane 10: Phospho Ser726 STAT5A/Ser731 STAT5B peptide. Lane 11: Unmodified Tyr694 STAT5A/Tyr699 STAT5B peptide. Lane 12: Phospho Tyr694 STAT5A/Tyr699 STAT5B peptide.



WB (Western Blot)

STAT3 phospho Tyr705 pAb tested by Western blot. Hep G2 nuclear extract (15 ug per lane) was probed with STAT3 phospho Tyr705 polyclonal antibody (1:2,000). Lane 1: No treatment. Lane 2: cells stimulated with IL-6 (100 ng/ml for 15 minutes at 37 degree C).

ADDITIONAL INFORMATION

Related Product Information for anti-STAT3 antibody	Short Description: Our STAT3 phospho Tyr705 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Dot blot and Western blot; it has been shown to react with Human samples. Background: STAT3 (signal transducer and activator of transcription 3) is a member of the STAT family of transcription factors. STATs undergo tyrosine phosphorylation in response to growth factor or cytokine signaling. This phosphorylation results in dimerization and translocation of STAT proteins to the nucleus. The STAT3 protein is expressed in most cell types and is activated by multiple cytokines and growth factors including: IFNa, IL-10, IL-6, IL-11, IL-12, IL-2, EGF, among others.
Product Categories/Family for anti-STAT3 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618338
NCBI GeneID	6774
NCBI Accession #	NP_003141; AB_2793272
NCBI GenBank Nucleotide #	NM_003150.3
UniProt Accession #	P40763; O14916; Q9BW54; A8K7B8; K7ENL3
Molecular Weight	83,126 Da
NCBI Official Full Name	signal transducer and activator of transcription 3 isoform 2
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/polyclonal/stat3-phospho-tyr705-antibody-western-blot-dot-blot-elisa/59891>