

Rabbit STAT3 Polyclonal Antibody | anti-STAT3 antibody

Rabbit anti-STAT3 Antibody

CATALOG # AAA224105	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Bovine, Chicken, Dog, Monkey, Pig	APPLICATIONS Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

STAT3; Polyclonal Antibody; Rabbit anti-STAT3 Antibody; APRF; Signal transducer and activator of transcription 3; Acute-phase response factor; anti-STAT3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Chicken, Dog, Monkey, Pig
Clonality	Polyclonal
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-STAT3 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human STAT3. The exact sequence is proprietary.
Preparation and Storage	Store at -20°C. Avoid repeated freeze/thaw cycles.

IMAGES



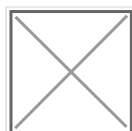
WB (Western Blot)

Western blot analysis of STAT3 expression in mouse embryo (A), PC12 (B), AML12 (C), A549 (D), H1792 (E), LO2 (F) whole cell lysates. (Predicted band size: 88 kD; Observed band size: 86 kD).



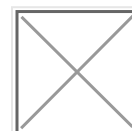
IF (Immunofluorescence)

Immunofluorescent analysis of AP2 alpha/beta staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



IHC (Immunohistochemistry)

Immunohistochemical analysis of AP2 alpha/beta staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of AP2 alpha/beta expression in HeLa (A), HepG2 (B), mouse brain (C), rat kidney (D) whole cell lysates.

ADDITIONAL INFORMATION

Product Categories/Family for anti-STAT3 antibody	Primary antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73760407
NCBI GeneID	7020
NCBI Accession #	NP_001027451.1
NCBI GenBank Nucleotide #	NM_001032280.2
UniProt Accession #	P05549; Q92481; P34056; Q61313; P58197
NCBI Official Full Name	transcription factor AP-2-alpha isoform b
NCBI Official Synonym Full Names	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)
NCBI Official Symbol	TFAP2A
NCBI Official Synonym Symbols	AP-2; BOFS; AP2TF; TFAP2; AP-2alpha
NCBI Protein Information	transcription factor AP-2-alpha; AP2-alpha; activator protein 2; AP-2 transcription factor; activating enhancer-binding protein 2-alpha
UniProt Protein Name	Transcription factor AP-2-alpha
UniProt Gene Name	TFAP2A
UniProt Synonym Gene Names	AP2TF; TFAP2; AP2-alpha; AP-2
UniProt Entry Name	AP2A_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/stat3-antibody-immunoprecipitation-immunofluorescence-immunohistochemistry-western-blot-elisa/224105>