

Mouse Signal Transducer And Activator Of Transcription 3 (STAT3) Monoclonal Antibody | anti-STAT3 antibody

Monoclonal Antibody to Signal Transducer And Activator Of Transcription 3 (STAT3)

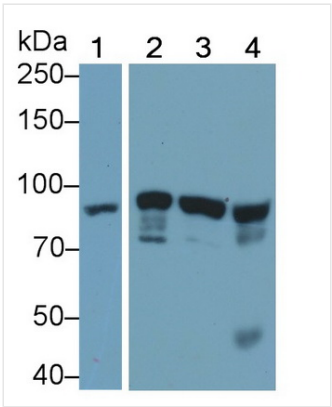
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21260	Mouse	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunoprecipitation

PRODUCT SYNONYMS

Signal Transducer And Activator Of Transcription 3 (STAT3); Monoclonal Antibody; Monoclonal Antibody to Signal Transducer And Activator Of Transcription 3 (STAT3); Signal Transducer And Activator Of Transcription 3; APRF; Acute-Phase Response Factor; anti-STAT3 antibody

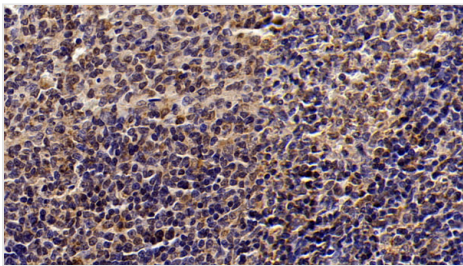
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Clone Number	D14
Specificity	The antibody is a mouse monoclonal antibody raised against STAT3. It has been selected for its ability to recognize STAT3 in immunohistochemical staining and western blotting.
Purity/Purification	Protein A + Protein G affinity chromatography
Form/Format	Liquid. PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Concentration	1mg/mL (varies by lot)
Sequence Positions	Ala135-Gln279
Applicable Applications for anti-STAT3 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IP (Immunoprecipitation)
Application Notes	WB: 0.2-2ug/mL, 1: 500-5000 IHC: 5-20ug/mL, 1: 50-200 ICC: 5-20ug/mL, 1: 50-200
Preparation and Storage	Store at 4 degree C for frequent use. Store at -20 degree C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. Stable for 12 months if correctly stored. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



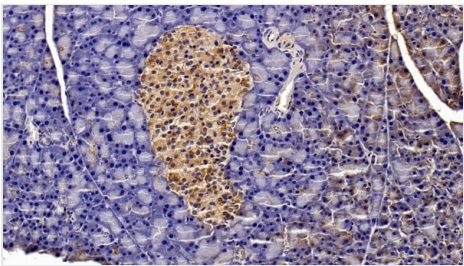
WB (Western Blot)

Western Blot; Sample: Lane1: Rat Heart lysate; Lane2: HeLa cell lysate; Lane3: human Lung lysate; Lane4: Mouse Thymus lysate Primary Ab: 1ug/ml Mouse Anti-ulti-species STAT3 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



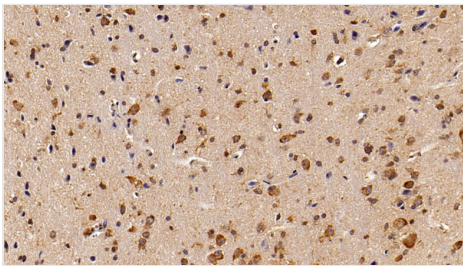
IHC (Immunohistochemistry)

DAB staining on IHC-P;Sample: Rat Spleen Tissue; Primary Ab: 20ug/ml Mouse Anti-ulti-species STAT3 AntibodySecond Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



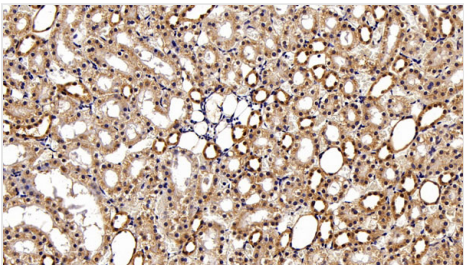
IHC (Immunohistochemistry)

DAB staining on IHC-P;Sample: Rat Pancreas Tissue; Primary Ab: 20ug/ml Mouse Anti-ulti-species STAT3 AntibodySecond Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



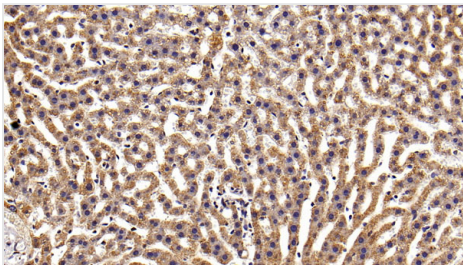
IHC (Immunohistochemistry)

DAB staining on IHC-P;Sample: Rat CerebuM Tissue; Primary Ab: 20ug/ml Mouse Anti-ulti-species STAT3 AntibodySecond Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



IHC (Immunohistochemistry)

DAB staining on IHC-P;Sample: Rat Kidney Tissue; Primary Ab: 20ug/ml Mouse Anti-ulti-species STAT3 AntibodySecond Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



IHC (Immunohistochemistry)

DAB staining on IHC-P; Sample: Rat Liver Tissue; Primary Ab: 20ug/ml Mouse Anti-ulti-species STAT3 Antibody Second Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

ADDITIONAL INFORMATION

Product Categories/Family for anti-STAT3 antibody	Monoclonal Antibodies (Primary Abs); Monoclonal antibodies; Signal transduction
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21618338
NCBI GeneID	6774
NCBI Accession #	NP_003141.2
NCBI GenBank Nucleotide #	NM_003150.3
UniProt Accession #	P40763; O14916; Q9BW54; A8K7B8

Molecular Weight	88,068 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
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/monoclonal/signal-transducer-and-activator-of-transcription-3-stat3-antibody-clone-d14-western-blot-immunohistochemistry-immunocytochemistry-immunoprecipitation-elisa/21260>