

# 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)

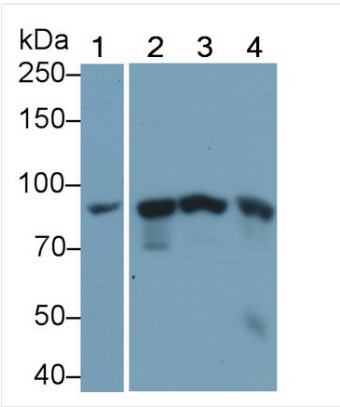
| CATALOG # | HOST  | REACTIVITY        | APPLICATIONS                                                                 |
|-----------|-------|-------------------|------------------------------------------------------------------------------|
| AAA21243  | Mouse | Human, Mouse, Rat | Western Blot, Immunohistochemistry, 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

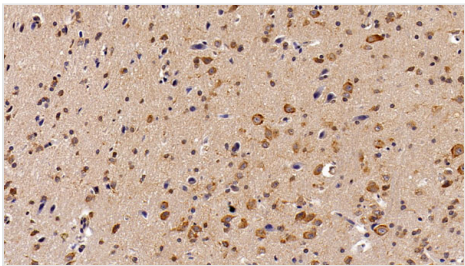
## PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Isotype                                         | IgG1 Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clone Number                                    | D12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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. 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 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: 0.5-2ug/mL<br>IHC: 5-20ug/mL<br>ICC: 5-20ug/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Immunogen                                       | Recombinant Signal Transducer And Activator Of Transcription 3 (STAT3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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.<br>Stable for 12 months if correctly stored.<br>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. |



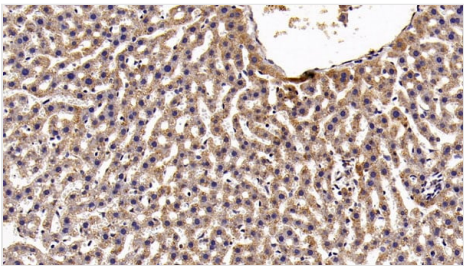
WB (Western Blot)

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



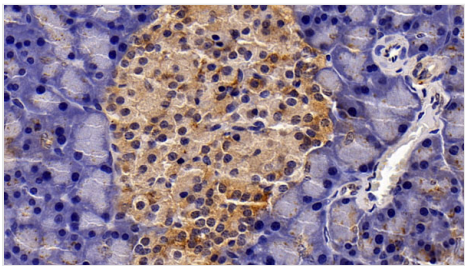
IHC (Immunohistochemistry)

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



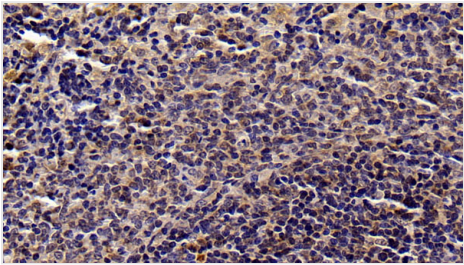
IHC (Immunohistochemistry)

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



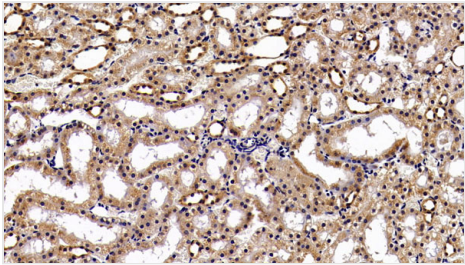
IHC (Immunohistochemistry)

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 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 Kidney 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 |
|---------------------------------------------------|---------------------------------------------------------------------------------|

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                | <b>STAT3</b>                                                                                              |
| 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-d12-western-blot-immunohistochemistry-immunocytochemistry-immunoprecipitation-elisa/21243>