STAT3-pY705 recombinant antibody

Rabbit anti-STAT3-pY705 Recombinant Monoclonal Antibody [BLR231K]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213650	**Rabbit**	**Human, Mouse**	**Immunocytochemistry, Immunohistochemistry, Immunoprecipitation, Western Blot**

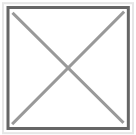
PRODUCT SYNONYMS

STAT3-pY705; Monoclonal Recombinant Antibody; Rabbit anti-STAT3-pY705 Recombinant Monoclonal Antibody [BLR231K]; STAT3; Phospho (Y705); acute-phase response factor; ADMIO; ADMIO1; APRF; DNA-binding protein APRF; HIES; signal transducer and activator of transcription 3; Signal transducer and activator of transcription 3; STAT3-pY705 recombinant antibody

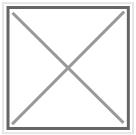
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BLR231K
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	500ug/ml (varies by lot)
Applicable Applications for STAT3-pY705 recombinant antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Surrounding Tyrosine 705
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

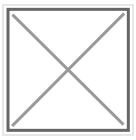
IMAGES



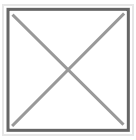
WB (Western Blot)
Detection of human Phospho STAT3 (Y705) by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HeLa (serum starved), HeLa (IFN-alpha), Jurkat, and Jurkat (IFN-alpha) cells prepared using NETN lysis buffer. Antibody: Rabbit anti-Phospho STAT3 (Y705) recombinant monoclonal antibody (AAA213650 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 10 seconds. Lower Panel: Rabbit anti-STAT3 recombinant monoclonal antibody .



IP (Immunoprecipitation)
Detection of human Phospho STAT3 (Y705) by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells treated with IFN-alpha (100 ng/mL). Antibodies: Rabbit anti-Phospho STAT3 (Y705) recombinant monoclonal antibody (AAA213650 lot 1) used for IP at 12 ul/mg lysate. Phospho STAT3 (Y705) was also immunoprecipitated by a second antibody (Antibody 2). For blotting immunoprecipitated Phospho STAT3 (Y705), AAA213650 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 3 seconds.



IHC (Immunohistochemisry)
Detection of mouse STAT3-pY705 by immunohistochemistry. Sample: FFPE section of mouse plasmacytoma, mock CIP treatment (left) and CIP treatment (right). Antibody: Rabbit anti-STAT3-pY705 recombinant monoclonal antibody (AAA213650-1). Secondary: HRP-conjugated goat anti-rabbit IgG .



IHC (Immunohiostchemistry)
Detection of human STAT3-pY705 by immunohistochemistry. Sample: FFPE section of human bladder carcinoma, mock CIP treatment (left) and CIP treatment (right). Antibody: Rabbit anti-STAT3-pY705 recombinant monoclonal antibody (AAA213650-1). Secondary: HRP-conjugated goat anti-rabbit IgG .



ICC (Immunocytochemistry)
Detection of human STAT3-pY705 by immunocytochemistry. Sample: FFPE section of Ovcar-3 cells, mock CIP treatment (left) and CIP treatment (right). Antibody: Rabbit anti-STAT3-pY705 recombinant monoclonal antibody (AAA213650-1). Secondary: HRP-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for STAT3-pY705 recombinant antibody	STAT3 (signal transducer and activator of transcription 3) 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 [taken from NCBI Entrez Gene (GeneID:6774)].
Product Categories/Family for STAT3-pY705 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618340
NCBI GeneID	6774
NCBI Accession #	NP_644805.1
NCBI GenBank Nucleotide #	NM_139276.2
UniProt Accession #	P40763; O14916; Q9BW54; A8K7B8
Molecular Weight	88,068 Da
NCBI Official Full Name	signal transducer and activator of transcription 3 isoform 1
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/stat3-py705-recombinant-antibody-clone-blr231k-immunocytochemistry-immunohistochemistry-immunoprecipitation-western-blot-elisa/213650