

## Rabbit polyclonal antibody to human STAT3 (686-698): Affinity purified

<b>Catalogue No.:</b>	R-1104-100
<b>Description:</b>	STAT3 belongs to the STAT (signal transducers and activators of transcription) family of proteins. STAT proteins undergo tyrosine/serine phosphorylation in response to cytokines and growth factors. Phosphorylated STAT3 forms a homodimer or heterodimer with related family members such as STAT1. Phosphorylated STAT proteins are translocated to the nucleus where they act as transcription factors. STAT3 is expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas tissues. Alternative splicing of the STAT3 gene gives rise to at least 2 isoforms.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide (YCRPESQEHPHAD) corresponding to a region (686-698) from human STAT3. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
<b>Other Names:</b>	Signal transducer and activator of transcription 3; Acute-phase response factor; STAT3; APRF;
<b>Accession:</b>	P40763 STAT3_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0-2.0 ug/mL is recommended for WB. Human STAT3 (isoform 1) has a predicted length of 770 residues and MW of 88 kDa. A concentration of 1.0-2.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human; mouse; rat; rabbit;
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg Na <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
<b>Expiry Date:</b>	12 months after purchase

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