

## ARG62630 anti-STAT6 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes STAT6
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	STAT6
Species	Human
Immunogen	A synthetic peptide from the C terminal sequence of human Stat6.
Epitope	C-terminal
Conjugation	Un-conjugated
Alternate Names	D12S1644; STAT6B; STAT6C; Signal transducer and activator of transcription 6; IL-4-STAT; IL-4 Stat

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:400
	IP	1:400
	WB	1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat cells. Tonsil or Placenta.	

### Properties

Form	Liquid
Purification	Purified Antibody
Buffer	1X PBS and 0.1% Sodium azide
Preservative	0.1% Sodium azide
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 20852 Mouse</a> <a href="#">GeneID: 6778 Human</a> <a href="#">Swiss-port # P42226 Human</a> <a href="#">Swiss-port # P52633 Mouse</a>
Gene Symbol	STAT6
Gene Full Name	signal transducer and activator of transcription 6, interleukin-4 induced
Background	The protein encoded by this gene is a member of the STAT family of transcription factors. 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 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]
Function	Carries out a dual function: signal transduction and activation of transcription. Involved in IL4/interleukin-4- and IL3/interleukin-3-mediated signaling. [UniProt]
Research Area	Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	94 kDa
PTM	Tyrosine phosphorylated following stimulation by IL4/interleukin-4 and IL3/interleukin-3 (By similarity). Dephosphorylation on tyrosine residues by PTPN2 negatively regulates the IL4/interleukin-4 mediated signaling.