

## ARG41885 anti-STAT4 phospho (Tyr693) antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes STAT4 phospho (Tyr693)
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	STAT4
Species	Human
Immunogen	Phosphospecific peptide around Tyr693 of Human STAT4.
Conjugation	Un-conjugated
Alternate Names	SLEB11; Signal transducer and activator of transcription 4

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2 + IL4	
Observed Size	~ 86 kDa	

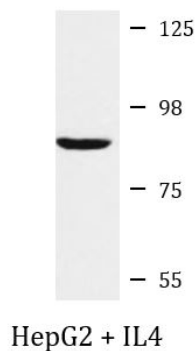
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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

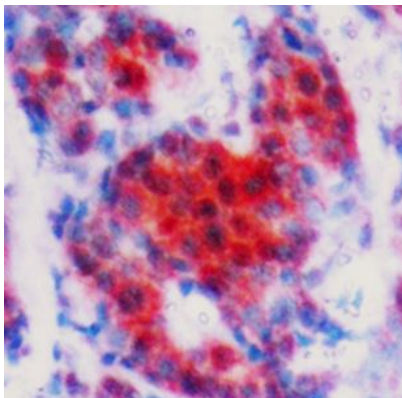
Gene Symbol	STAT4
Gene Full Name	signal transducer and activator of transcription 4
Background	The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. Mutations in this gene may be associated with systemic lupus erythematosus and rheumatoid arthritis. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Aug 2011]
Function	Carries out a dual function: signal transduction and activation of transcription. Involved in IL12 signaling. [UniProt]
Calculated Mw	86 kDa
PTM	Tyrosine phosphorylated. Serine phosphorylation is also required for maximal transcriptional activity (By similarity). [UniProt]
Cellular Localization	Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation. [UniProt]

## Images



ARG41885 anti-STAT4 phospho (Tyr693) antibody WB image

Western blot: HepG2 cells were treated by IL4 (100 ng/ml) at 37°C for 30 minutes after serum-starvation overnight. 25 µg of cell lysate stained with ARG41885 anti-STAT4 phospho (Tyr693) antibody.



ARG41885 anti-STAT4 phospho (Tyr693) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG41885 anti-STAT4 phospho (Tyr693) antibody.