

ARG51555 anti-STAT6 phospho (Thr645) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes STAT6 phospho (Thr645)
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	STAT6
Species	Human
Immunogen	Peptide sequence around phosphorylation site of threonine 645 (P-A-T(p)-I-K) derived from Human STAT6.
Conjugation	Un-conjugated
Alternate Names	D12S1644; STAT6B; STAT6C; Signal transducer and activator of transcription 6; IL-4-STAT; IL-4 Stat

Application Instructions

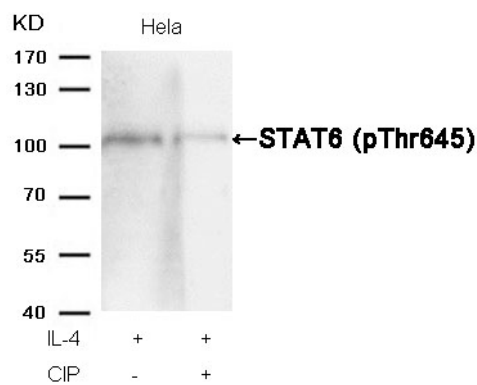
Application table	Application	Dilution
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (without Mg ²⁺ and Ca ²⁺ , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 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. 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.

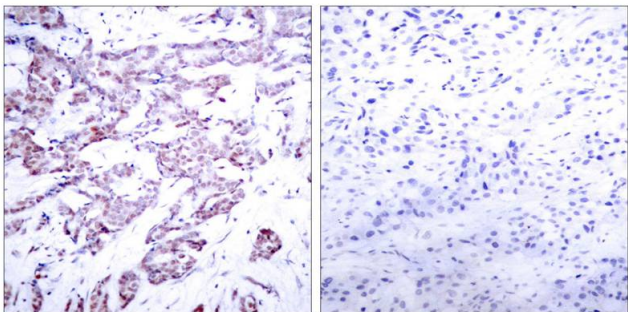
Note	For laboratory research only, not for drug, diagnostic or other use.
Bioinformation	
Database links	GeneID: 6778 Human Swiss-port # P42226 Human
Gene Symbol	STAT6
Gene Full Name	signal transducer and activator of transcription 6, interleukin-4 induced
Background	Carries out a dual function: signal transduction and activation of transcription. Involved in interleukin-4 signalling.
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.

Images



ARG51555 anti-STAT6 phospho (Thr645) antibody WB image

Western blot: Extracts from HeLa cells, treated with IL-4 or calf intestinal phosphatase (CIP), stained with ARG51555 anti-STAT6 phospho (Thr645) antibody.



ARG51555 anti-STAT6 phospho (Thr645) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG51555 anti-STAT6 phospho (Thr645) antibody (left) or the same antibody preincubated with blocking peptide (right).