

Product datasheet

Anti-STAT4 (phospho Y693) antibody ab28815

★★★★★ [1 Abreviews](#) [10 References](#) [2 Images](#)

Overview

Product name	Anti-STAT4 (phospho Y693) antibody
Description	Rabbit polyclonal to STAT4 (phospho Y693)
Host species	Rabbit
Tested applications	Suitable for: IP, WB, IHC-P, ELISA
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide corresponding to Human STAT4 (phospho Y693). Human STAT4 around the phosphorylation site of Tyr693.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride</p> <p>Without Mg²⁺ and Ca²⁺</p>
Purity	Immunogen affinity purified
Purification notes	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab28815 in the following tested applications.

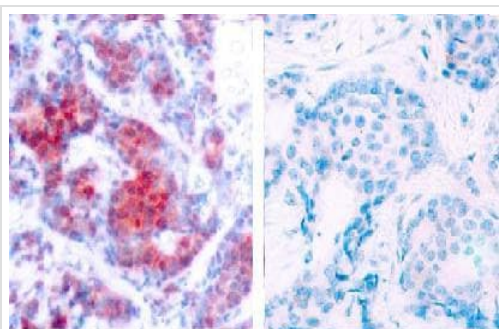
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
WB		1/500 - 1/1000. Predicted molecular weight: 85 kDa.
IHC-P	★★★★★ (1)	1/50 - 1/100.
ELISA		Use at an assay dependent concentration.

Target

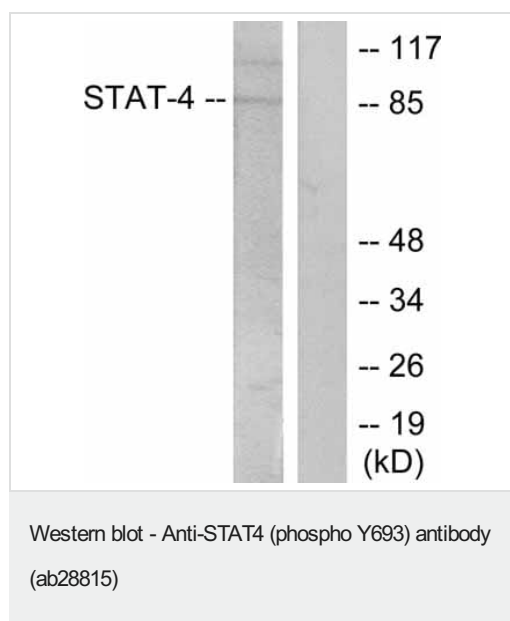
Function	Carries out a dual function: signal transduction and activation of transcription. Involved in IL12 signaling.
Involvement in disease	Systemic lupus erythematosus 11 Rheumatoid arthritis
Sequence similarities	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.
Post-translational modifications	Tyrosine phosphorylated. Serine phosphorylation is also required for maximal transcriptional activity.
Cellular localization	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

Images



ab28815, staining human STAT4 in breast carcinoma by immunohistochemistry, paraffin embedded tissue. left: Using STAT4 antibody (ab28815); right: The same antibody preincubated with synthesized phosphopeptide.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT4 (phospho Y693) antibody (ab28815)



All lanes : Anti-STAT4 (phospho Y693) antibody (ab28815)

Lane 1 : HeLa cell lysate (cells treated with IL4)

Lane 2 : HeLa cell lysate (untreated)

Predicted band size: 85 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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