

Datasheet for ABIN7138872  
**anti-STAT6 antibody (pThr645)**



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2 Images

## Overview

Quantity:	100 µL
Target:	STAT6
Binding Specificity:	pThr645
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 645 (P-A-T(p)-I-K) derived from Human STAT6.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

## Target Details

Target:	STAT6
Alternative Name:	STAT6 ( <a href="#">STAT6 Products</a> )

## Target Details

Background:	<p>Background:</p> <p>Carries out a dual function: signal transduction and activation of transcription. Involved in interleukin-4 signalling.</p> <p>Nelms K, et al. (1999) Annu Rev Immunol. 17:701-738.</p> <p>Malabarba M G, et al. (1996) Biochem. J. 319:865-872.</p> <p>Hou J, et al. (1994) Science. 265:1701-1706.</p> <p>Quelle F W, et al. (1995) Mol Cell Biol. 15: 3336-3343.</p> <p>Takeda K, et al. (1996) Nature. 380: 627-630.</p> <p>Aliases: 12S1644 antibody, D12S1644 antibody, IL 4 STAT antibody, IL-4 Stat antibody, IL4 STAT antibody, Interleukin 4 Induced antibody, Interleukin 4 Induced Transcription Factor IL4 STAT antibody, Signal transducer and activator of transcription 6 antibody, Signal Transducer And Activator Of Transcription 6 Interleukin 4 Induced antibody, Signal Transducer And Activator Of Transcription 6 Nirs Variant 1 antibody, Signal transducer and activator of transcription 6, interleukin 4 induced antibody, STAT 6 antibody, STAT interleukin4 induced antibody, STAT, interleukin4 induced antibody, Stat6 antibody, STAT6_HUMAN antibody, STAT6B antibody, STAT6C antibody, Transcription factor IL 4 STAT antibody</p>
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UniProt: [P42226](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

## Application Details

Application Notes: WB:1:500-1:1000, IHC:1:50-1:100,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

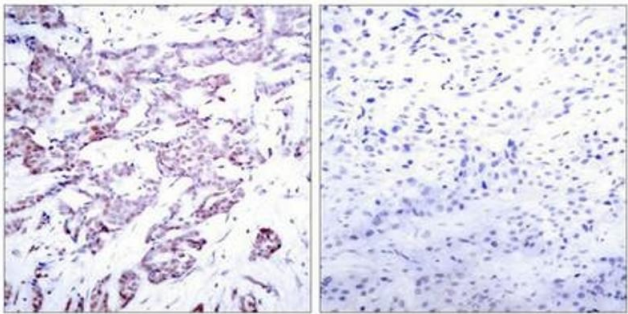
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

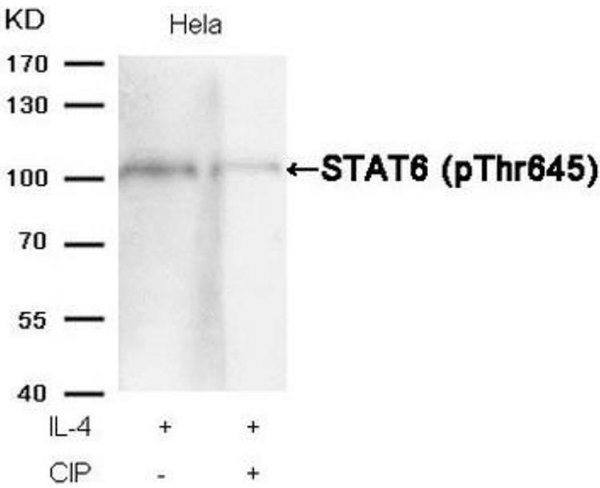
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT6(Phospho-Thr645) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Western Blotting

**Image 2.** Western blot analysis of extracts from Hela cells, treated with IL-4 or calf intestinal phosphatase (CIP), using STAT6 (Phospho-Thr645) Antibody.