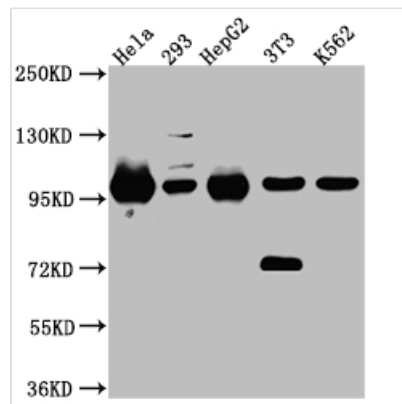




STAT6 Antibody

Product Code	CSB-RA988543A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P42226
Immunogen	A synthesized peptide derived from human STAT6
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
Relevance	Carries out a dual function: signal transduction and activation of transcription. Involved in IL4/interleukin-4- and IL3/interleukin-3-mediated signaling.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling; Cancer; Signal transduction
Gene Names	STAT6
Accession NO.	2F10

Image

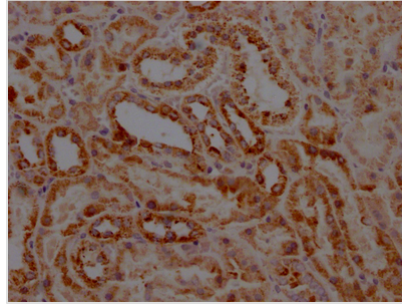


Western Blot

Positive WB detected in: HeLa whole cell lysate, 293 whole cell lysate, HepG2 whole cell lysate, NIH/3T3 whole cell lysate, K562 whole cell lysate
All lanes: STAT6 Antibody at 1:1000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 95, 75, 82 kDa
Observed band size: 100 kDa



IHC image of CSB-RA988543A0HU diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

STAT6 is considered to be the key to the IL-4 signaling pathway and a driver of Th2 cell differentiation. It is critical in the development, activation, tolerance, and functions of B cells and plays a critical role in preventing allograft rejection. In oncology, STAT6 plays a crucial role in tumor development. The STAT6 signaling pathway is highly activated in tumors and has been shown to promote tumor metastasis in colorectal cancer and melanoma carcinoma. STAT6 is also activated in invasive T-cell lymphoma, primary mediastinal large B lymphoma, and pancreatic cancer.

The recombinant STAT6 antibody was generated in vitro through inserting cloned STAT6 genes into expression vectors. The expression vector was then inserted into a mammalian cell to express this STAT6 antibody. It has been validated in ELISA, WB, IHC. Every step in the production was controlled strictly. You have no worries about the quality.