



Stat6 (phospho Thr645) rabbit pAb

Cat No.:ES1408

For research use only

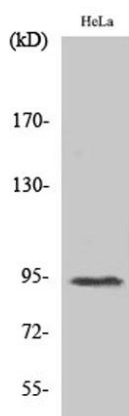
Overview

Product Name	Stat6 (phospho Thr645) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;IP;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunoprecipitation: 2-5 ug/mg lysate. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human STAT6 around the phosphorylation site of Thr645. AA range:612-661
Specificity	Phospho-Stat6 (T645) Polyclonal Antibody detects endogenous levels of Stat6 protein only when phosphorylated at T645.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Signal transducer and activator of transcription 6
Gene Name	STAT6
Cellular localization	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	6778
Human Swiss-Prot Number	P42226
Alternative Names	STAT6; Signal transducer and activator of transcription 6; IL-4 Stat
Background	The protein encoded by this gene is a member of the STAT family of transcription factors. In response

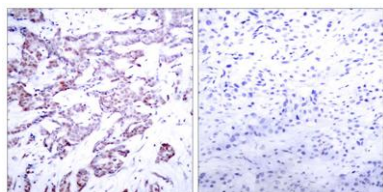




to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010],



Western Blot analysis of various cells using Phospho-Stat6 (T645) Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using STAT6 (Phospho-Thr645) Antibody. The picture on the right is blocked with the phospho peptide.

