

STAT6(Ab-641) Antibody

Catalog No: #21050



Package Size: #21050-1 50ul #21050-2 100ul #21050-4 25ul

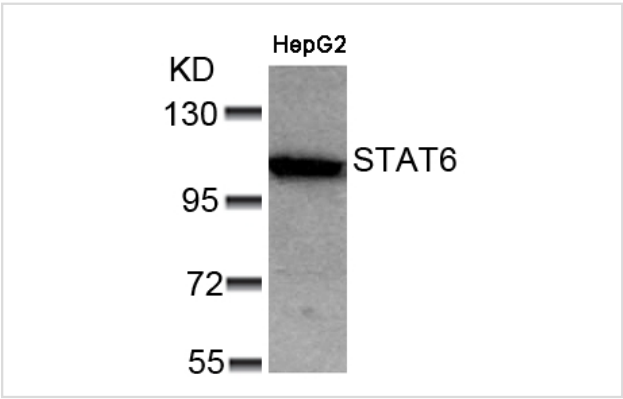
Overview

Product Name	STAT6(Ab-641) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Human
Immunogen Type	Peptide-KLH
Target Name	STAT6
Alternative Names	IL-4 Stat

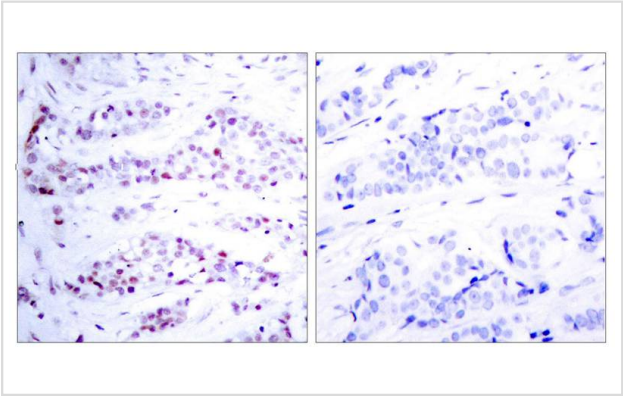
Application Details

Predicted MW: 110kd
Western blotting: 1:500~1:1000
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HepG2 cells using STAT6(Ab-641) Antibody #21050.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT6(Ab-641) Antibody #21050(left) or the same antibody preincubated with blocking peptide(right).

Descriptions

Immunogen	Peptide sequence around aa.639~643 (R-G-Y-V-P) derived from Human STAT6.
Specificity	The antibody detects endogenous level of total STAT6 protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P42226NCBI Protein: NP_003144.3

Related Information

STAT6 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. By screening an embryonic lung fibroblast cDNA library with a wildtype STAT6 probe, 2 variant cDNAs were identified, which were termed STAT6B and STAT6C, encoding an N-terminal 110-amino acid truncation and a 27-amino acid deletion in the SH2 domain, respectively. All the three variants are ubiquitously expressed with STAT6B expression greatest in spleen and STAT6C expression greatest in lung. STAT6B resembles an attenuated STAT6, but that STAT6C inhibits IL-4-mediated mitogenesis and cell surface antigen expression, and is not tyrosine phosphorylated

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Hou J, et al. (1994) Science. 265:1701-1706.

Quelle F W, et al. (1995) Mol Cell Biol. 15: 3336-3343.

Takeda K, et al. (1996) Nature. 380: 627-630.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.