

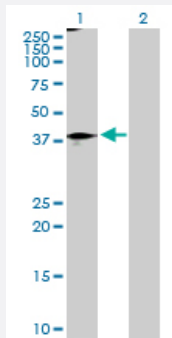
MaxPab®

STAT5B purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00006777-D01P

Size 100 ug

Applications

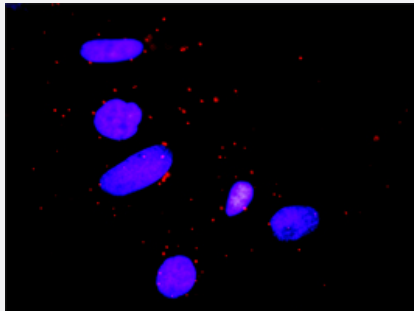


Western Blot (Transfected lysate)

Western Blot analysis of STAT5B expression in transfected 293T cell line ([H00006777-T02](#)) by STAT5B MaxPab polyclonal antibody.

Lane 1: STAT5B transfected lysate(44.90 KDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between STAT5B and CTLA4. HeLa cells were stained with anti-STAT5B rabbit purified polyclonal 1:1200 and anti-CTLA4 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human STAT5B protein.

Immunogen

STAT5B (AAH20868.1, 1 a.a. ~ 390 a.a) full-length human protein.

Sequence

MAVWIAQQQLQGEALHQMQUALYGQHFPIEVRYLSQWIESQAWDSVDLDNPQENIKATQLLEGL
VQELQKKAHQVGEDGFLKIKLGHYATQLQNTYDRCPMELVRCIRHILYNEQRLVREANNNGSSPA
GSLADAMSQKHLQINQTFEELRLVTQDTENELKKLQQQTQEYFIQYQESLRQAQFGPLAQLSPQER
LSRETALQQKQVSLEAWLQREAQTLQQYRVELAEKHQKTLQLLRKQQTIILDDELIQWKRQQLA
GNGGPPEGSLDVLQSWCEKLAIEIMQNRQQIRRAEHLCCQLPIPGPVEEMLAEVNATITDIISALVT
STFIIEKQPPQVLKTQTKFAATVRLLVGGKLNVMNPPQVKATIIEQQAKSLLKNENTRK

Host

Rabbit

Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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[Protocol Download](#)

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Gene Info — STAT5B

Entrez GeneID	6777
GeneBank Accession#	BC020868.1
Protein Accession#	AAH20868.1
Gene Name	STAT5B
Gene Alias	STAT5
Gene Description	signal transducer and activator of transcription 5B
Omim ID	245590 604260
Gene Ontology	Hyperlink

Gene Summary

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 mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. This gene was found to fuse to retinoic acid receptor-alpha (RARA) gene in a small subset of acute promyelocytic leukemias (APL). The dysregulation of the signaling pathways mediated by this protein may be the cause of the APL. [provided by RefSeq]

Other Designations

transcription factor STAT5B

Pathway

- [Acute myeloid leukemia](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [ErbB signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)

Disease

- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Tooth Abnormalities](#)