

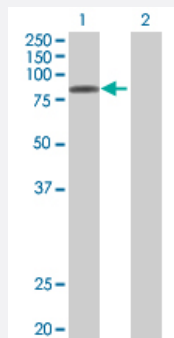
MaxPab®

# STAT4 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00006775-B01P

Size 50 ug

## Applications

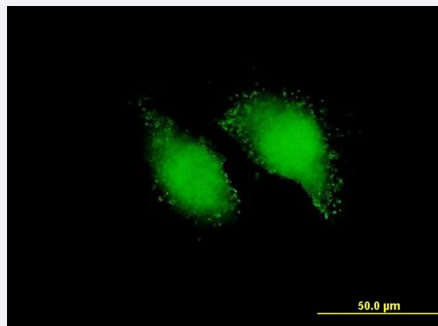


### Western Blot (Transfected lysate)

Western Blot analysis of STAT4 expression in transfected 293T cell line ([H00006775-T01](#)) by STAT4 MaxPab polyclonal antibody.

Lane 1: STAT4 transfected lysate(82.28 KDa).

Lane 2: Non-transfected lysate.



### Immunofluorescence

Immunofluorescence of purified MaxPab antibody to STAT4 on HeLa cell. [antibody concentration 10 ug/ml]

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human STAT4 protein.

### Immunogen

STAT4 (AAH31212.1, 1 a.a. ~ 748 a.a) full-length human protein.

## Sequence

MSQWNQVQQLEIKFLEQVDQFYDDNFPMEIRHLLAQWIENQDWEAASNNETMATILLQNLLIQLDE  
QLGRVSKEKNLLLIHNLKRIRKVLQGKFHGNPMHVAVVISNCLREERRILAAANMPVQGPLEKSLQ  
SSSVSERQRNVEHKVAAIKNSVQMTEQDQTKYLEDLQDEFDYRYKTIQTMDQSDKNSAMVNQEV  
TLQEMLNSLDFKRKEALSKMTQIIHETDLLMNTMLIEELQDWKRRQIACIGGPLHNGLDQLQNCFT  
LLAESLFQLRRQLEKLEEQSTKMTYEGDPIPMQRTHMLERVTFLLYNLFKNSFVVERQPCMPHPQ  
RPLVLKTLIQFTVKLRLLIKLPELNYQVKVKASIDKNVSTLSNRRFVLCGTNVKAMSIEESSNGSLSV  
EFRHLQPKEMKSSAGGKGNEGCHMVTEELHSITFETQICLYGLTIDLETSSLPVVMISNVSQLPNA  
WASIWYNVSTNDSQNLVFFNNPPPATLSQLLEVMSWQFSSYVGRGLNSDQLHMLAEKLTQSS  
YSDGHLTWAKFCKEHLPGKSFTFWTWLEAILDLIKHLPLWIDGYVMGFVSKEKERLLLKDKMPG  
TFLRLFSESHLGGITFTWVDHSESGEVRFHSEVYPYNGRLSALPFADILRDYKVIMAENIPENPLKY  
LYPDIPKDKAFGKHYSQPCVSRPTERGDKGYVPSVFIPISTIRSDSTEPHSPDLLPMSPSVYA  
VLRENLSPTTIETAMKSPYSAE

## Host

Mouse

## 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.

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of [purified](#) MaxPab antibody to STAT4 on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — STAT4

## Entrez GeneID

[6775](#)

## GeneBank Accession#

[NM\\_003151.2](#)

## Protein Accession#

[AAH31212.1](#)

## Gene Name

STAT4

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Alias         | SLEB11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Description   | signal transducer and activator of transcription 4                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Omim ID            | <a href="#">152700</a> <a href="#">180300</a> <a href="#">600558</a>                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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 is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. [provided by RefSeq] |
| Other Designations | OTTHUMP00000163553                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Pathway

- [Jak-STAT signaling pathway](#)

## Disease

- [Antiphospholipid Syndrome](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)

- [Disease Progression](#)
- [Endometriosis](#)
- [Genetic Predisposition to Disease](#)
- [Giant Cell Arteritis](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Osteoarthritis](#)
- [Proteinuria](#)
- [Psoriasis](#)
- [Pulmonary Fibrosis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Scleroderma](#)
- [Tobacco Use Disorder](#)
- [Uveomeningoencephalitic Syndrome](#)

- [Wegener Granulomatosis](#)