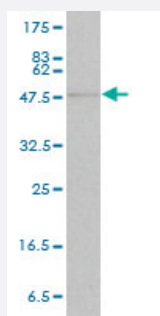


STAT4 monoclonal antibody (M01), clone 1C2-1C12

Catalog # H00006775-M01

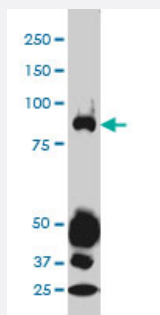
Size 100 ug

Applications



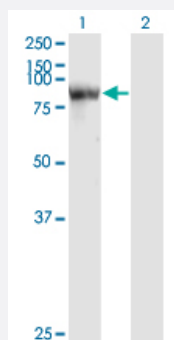
Western Blot (Tissue lysate)

STAT4 monoclonal antibody (M01), clone 1C2-1C12. Western Blot analysis of STAT4 expression in human liver.



Western Blot (Cell lysate)

STAT4 monoclonal antibody (M01), clone 1C2-1C12 Western Blot analysis of STAT4 expression in A-549 (Cat # L025V1).

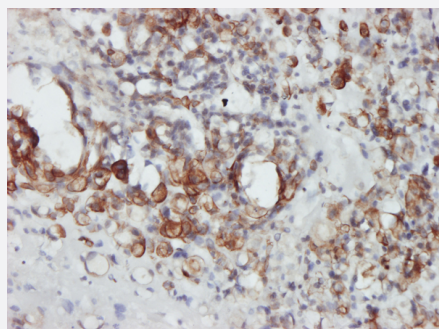


Western Blot (Transfected lysate)

Western Blot analysis of STAT4 expression in transfected 293T cell line by STAT4 monoclonal antibody (M01), clone 1C2-1C12.

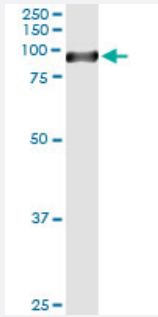
Lane 1: STAT4 transfected lysate(85.9 KDa).

Lane 2: Non-transfected lysate.



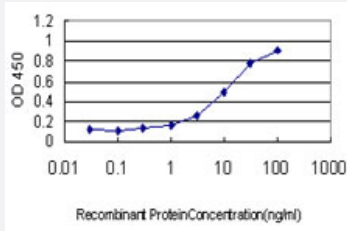
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to STAT4 on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma tissue. [antibody concentration 1 ~ 10 ug/ml]



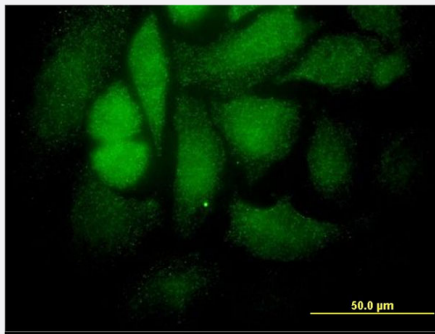
Immunoprecipitation

Immunoprecipitation of STAT4 transfected lysate using anti-STAT4 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with STAT4 MaxPab rabbit polyclonal antibody.



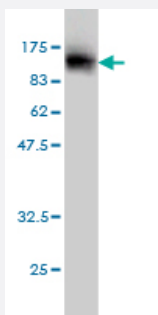
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STAT4 is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

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



Western Blot detection against Immunogen (108.02 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant STAT4.

Immunogen

STAT4 (AAH31212, 1 a.a. ~ 748 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	MSQWNQVQQLEIKFLEQVDQFYDDNFPMEIRHLLAQWIENQDWEAASNNETMATILLQNLLIQLDE QLGRVSKEKNLLLIHNLKRIRKVLQGKFHGNPMHVAVVISNCLREERRILAAANMPVQGPLEKSLQ SSSVSERQRNVEHKVAAIKNSVQMTEQDQTKYLEDLQDEFDYRYKTIQTMDQSDKNSAMVNQEV TLQEMLNSLDFKRKEALSKMTQIIHETDLLMNTMLIEELQDWKRRQQIACIGGPLHNGLDQLQNCFT LLAESLFQLRRQLEKLEEQSTKMTYEGDPIPMQRTHMLERVTFLLYNLFKNSFVVERQPCMPHPQ RPLVLKTLIQFTVKLRLLIKLPELNYQVKVKASIDKNVSTLSNRRFVLCGTNVKAMSIEESSNGSLSV EFRHLQPKEMKSSAGGKGNEGCHMVTEELHSITFETQICLYGLTIDLETSSLPVVMISNVSQLPNA WASIWYNVSTNDSQNLVFFNPPPATLSQLLEVMSWQFSSYVGRGLNSDQLHMLAEKLTQSS YSDGHLTWAKFCKEHLPGKSFTFWTWLEAILDLIKKHILPLWIDGYVMGFVSKEKERLLLKDKMPG TFLRLFSESHLGGITFTWVDHSESGEVRFHVSVEPYNKGRLSALPFADILRDYKVIMAENIPENPLKY LYPDIPKDKAFGKHYSQPCVSRPTERGDKGYVPSVFIPISTIRSDSTEPHSPDLLPMSPSVYA VLRENLSPTTIETAMKSPYSAE
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (108.02 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

STAT4 monoclonal antibody (M01), clone 1C2-1C12. Western Blot analysis of STAT4 expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

STAT4 monoclonal antibody (M01), clone 1C2-1C12 Western Blot analysis of STAT4 expression in A-549 (Cat # L025V1).

[Protocol Download](#)

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Western Blot analysis of STAT4 expression in transfected 293T cell line by STAT4 monoclonal antibody (M01), clone 1C2-1C12.

Lane 1: STAT4 transfected lysate(85.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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- Sandwich ELISA (Recombinant protein)

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[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — STAT4

Entrez GeneID [6775](#)

GeneBank Accession# [BC031212](#)

Protein Accession# [AAH31212](#)

Gene Name STAT4

Gene Alias SLEB11

Gene Description signal transducer and activator of transcription 4

Omim ID [152700](#) [180300](#) [600558](#)

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 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](#)