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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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STAT3 monoclonal antibody (M01), clone 1D11-2A11

Catalog # : H00006774-M01

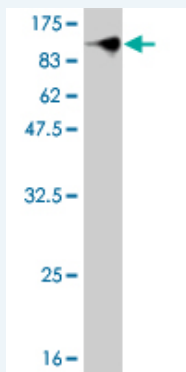
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a full length recombinant STAT3.
Immunogen:	STAT3 (AAH00627, 1 a.a. ~ 769 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	<p>MAQWNQLQQLDTRYLEQLHQLYSDSFPMELRQFLAPWIESQDWAYAA SKESHATLVFHNLLGEIDQQYSRFLQESNVLYQHNLRRKQFLQSRYLEK PMEIARIVARCLWEESRLLQTAATAAQGGQANHTAAVTEKQMLE QHLQDVRKRVQDLEQKMKVVENLQDDDFNYKTLKSQGMQDLNGNN QSVTRQKMQQLEQMLTALDQMRRSIVSELAGLLSAMEYVQKTLTDEEL ADWKRRQIACIGGPPNICLDRLLENWITSLAESQLQTRQIQKLEELQQK VSYKGDPIVQHRPMLERVELFRNLMKSAFVVERQPCMPMHPDRPLVIK TGVQFTTKVRLLVKFPENYQLKIKVCIDKDSGDVAALRGSRFNLTNT KVMNMEESNNGSLSAEFKHLTLREQRGNGGRANCDASLIVTEELHLITF ETEVYHQGLKIDLETHSLPVVVISNICMPNAWASILWYNMLTNNPKNVNF FTKPPIGTWDQVAEVLWQFSSSTTKRGLSIEQLTLAEKLLGPGVNYSG CQITWAKFCKENMAGKGFVWVWLDNIIDLVKKYILALWNEGIMGFISKE RERAILSTKPPGTFLLRFSESSKEGGVFTWVEKDISGKTQIQSVEPYTK QQLNNMSFAEIMGYKIMDATNILVSPLVLYPDIPKEEAFGKYCRPESQE PEADPGAAPYLKTKFICVPTTCSNTIDLPMSPRTLDSLMOFGNNGEGAE PSAGGQFESLTFDMELTSECATSPM</p>
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2b Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (110.11 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

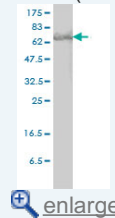
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

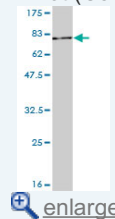
Datasheet: [Download](#)

Application Image

Western Blot (Cell lysate)



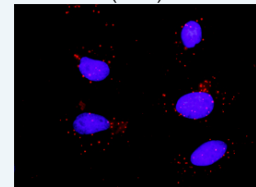
Western Blot (Cell lysate)



Western Blot (Recombinant protein)

ELISA

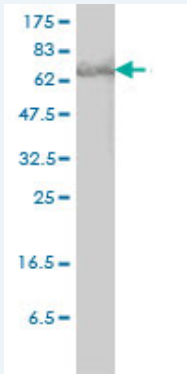
In situ Proximity Ligation Assay (Cell)



[enlarge](#)

Applications

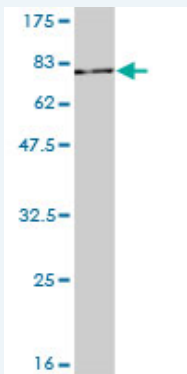
Western Blot (Cell lysate)



STAT3 monoclonal antibody (M01), clone 1D11-2A11 Western Blot analysis of STAT3 expression in HeLa (Cat # L013V1).

 [Protocol Download](#)

Western Blot (Cell lysate)



STAT3 monoclonal antibody (M01), clone 1D11-2A11. Western Blot analysis of STAT3 expression in K-562 (Cat # L009V1).

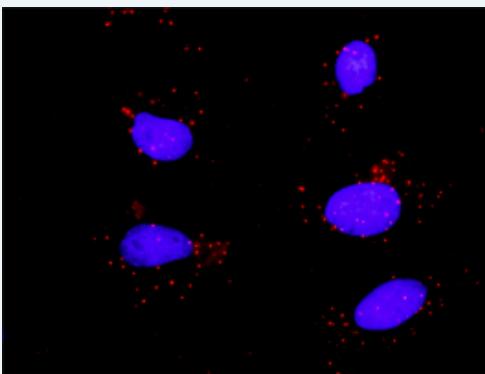
 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

ELISA

In situ Proximity Ligation Assay (Cell)



Proximity Ligation Analysis of protein-protein interactions between STAT1 and STAT3. HeLa cells were stained with anti-STAT1 rabbit purified polyclonal 1:1200 and anti-STAT3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Information

Entrez GeneID: [6774](#)

GeneBank [BC000627](#)

Accession#:

Protein [AAH00627](#)

Accession#:

Gene Name: STAT3

Gene Alias: APRF,FLJ20882,HIES,MGC16063

Gene Description: signal transducer and activator of transcription 3 (acute-phase response factor)

Omim ID: [102582](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a member of the STAT protein family. 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 activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Three alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]

Other Designations: DNA-binding protein APRF,acute-phase response factor,signal transducer and activator of transcription 3

Gene Pathway

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

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