



SZABO SCANDIC

Part of Europa Biosite

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 (M02), clone 4D6

Catalog # : H00006774-M02

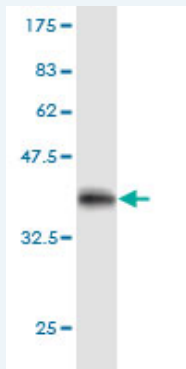
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant STAT3.
Immunogen:	STAT3 (NP_003141, 670 a.a. ~ 769 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	LVVLYPDIPKEEAFGKYCRPESQEHPEADPGAAPYLKTKFICVTPPTCSN TIDLPMSPRTLDSLMLQFGNNGEGAEPSAGGQFESLTFDMELTSECATS PM
Host:	Mouse
Reactivity:	Human
Isotype:	IgG1 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.74 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](#)

Publication Reference

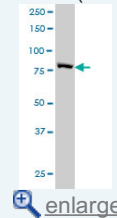
1. Acetylation Directs Survivin Nuclear Localization to Repress STAT3 Oncogenic Activity. Wang H, Holloway MP, Ma L, Cooper ZA, Riolo M, Samkari A, Elenitoba-Johnson KS, Chin YE, Altura RA. J Biol Chem. 2010 Nov 12;285(46):36129-37. Epub 2010 Sep 8.

Applications

Western Blot (Cell lysate)

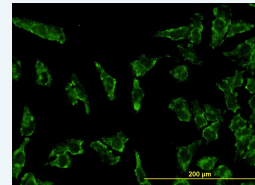
Application Image

Western Blot (Cell lysate)

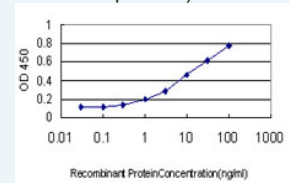


Western Blot (Recombinant protein)

Immunofluorescence

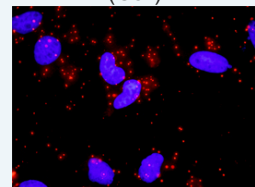


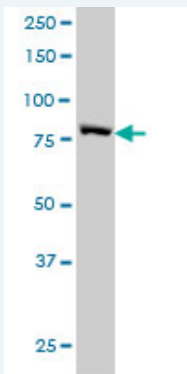
Sandwich ELISA (Recombinant protein)



ELISA

In situ Proximity Ligation Assay (Cell)





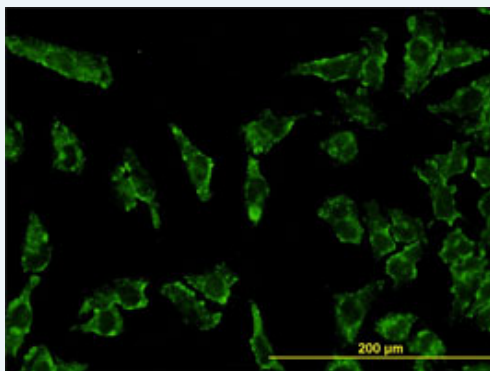
STAT3 monoclonal antibody (M02), clone 4D6 Western Blot analysis of STAT3 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Immunofluorescence

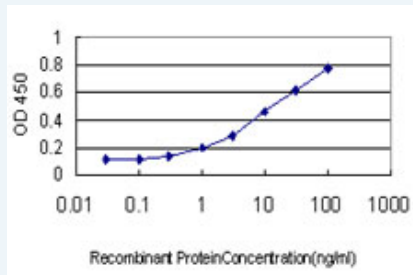


[enlarge this image](#)

Immunofluorescence of monoclonal antibody to STAT3 on HeLa cell. [antibody concentration 10 ug/ml]

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)

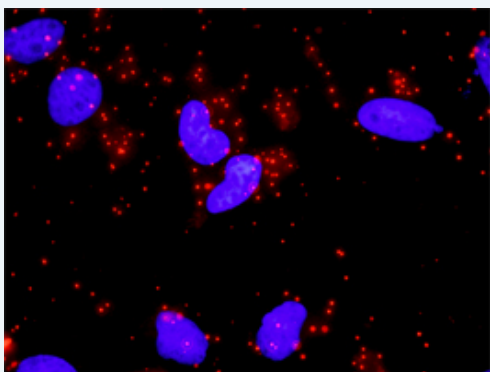


Detection limit for recombinant GST tagged STAT3 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

In situ Proximity Ligation Assay (Cell)



Proximity Ligation Analysis of protein-protein interactions between NFKB1 and STAT3. HeLa cells were stained with anti-NFKB1 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 [NM_003150](#)

Accession#:

Protein [NP_003141](#)

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](#)

Related Disease

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