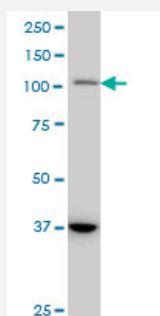


STAT2 monoclonal antibody (M01), clone 5G7

Catalog # H00006773-M01

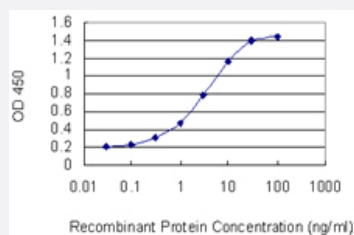
Size 100 ug

Applications



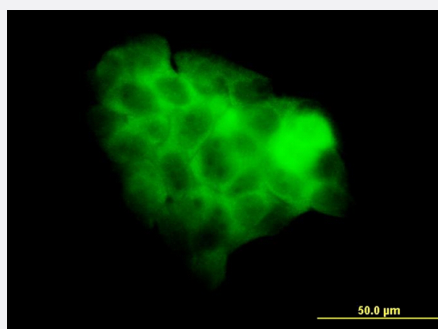
Western Blot (Cell lysate)

STAT2 monoclonal antibody (M01), clone 5G7 Western Blot analysis of STAT2 expression in A-431 (Cat # L015V1).



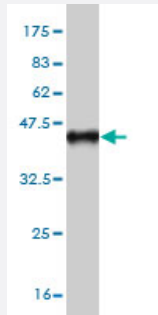
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STAT2 is 0.03 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to STAT2 on A-431 cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant STAT2.
Immunogen	STAT2 (AAH51284, 742 a.a. ~ 851 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KAGLDLGPELESVLESTLEPVIEPTLCMVSTVPEPDQGPVSQPVPEPDLPCLRLHNTPEMEIF RNCVKIEEIMPNGDPLLQNTVDEVYVSRPSHFYTDGPLMPSPDF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (33); Rat (50)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 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 (Cell lysate)

STAT2 monoclonal antibody (M01), clone 5G7 Western Blot analysis of STAT2 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STAT2 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to STAT2 on A-431 cell. [antibody concentration 10 ug/ml]

Gene Info — STAT2

Entrez GeneID [6773](#)

GeneBank Accession# [BC051284](#)

Protein Accession# [AAH51284](#)

Gene Name STAT2

Gene Alias ISGF-3, MGC59816, P113, STAT113

Gene Description signal transducer and activator of transcription 2, 113kDa

Omim ID [600556](#)

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. In response to interferon (IFN), this protein forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which this protein acts as a transactivator, but lacks the ability to bind DNA directly. Transcription adaptor P300/CBP (EP300/CREBBP) has been shown to interact specifically with this protein, which is thought to be involved in the process of blocking IFN-alpha response by adenovirus. [provided by RefSeq]

Other Designations interferon alpha induced transcriptional activator|signal transducer and activator of transcription 2

Pathway

- [Chemokine signaling pathway](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hepatitis C](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Neutropenia](#)
- [Thrombocytopenia](#)
- [Thyroid Neoplasms](#)