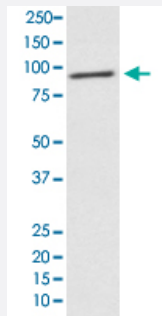


STAT2 monoclonal antibody, clone HCB-19

Catalog # MAB20744 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of K562 cell lysate with STAT2 monoclonal antibody, clone HCB-19 (Cat # MAB20744).

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human STAT2.

Immunogen A synthetic peptide corresponding to human STAT2.

Host Rabbit

Theoretical MW (kDa) 97.916

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage

- Immunocytochemistry (1:50-1:200)
- Immunofluorescence (1:50-1:200)
- Immunohistochemistry (1:50-1:200)
- Western Blot (1:1000-1:2000)
- The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of K562 cell lysate with STAT2 monoclonal antibody, clone HCB-19 (Cat # MAB20744).

- Immunohistochemistry

- Immunocytochemistry

- Immunofluorescence

Gene Info — STAT2

Entrez GeneID[6773](#)**Protein Accession#**[P52630](#)**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 cytokine 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](#)