

Stat1 (AB2434) mouse mAb

W0187

Key Features

Host Species

- Mouse

Reactivity

- Human; Dog;

Applications

- WB; IF; ELISA

MW

- 87 kDa (calculated)
- 87 kDa (observed)

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

WB; IF; ELISA

Dilution

WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB2434

Immunogen A synthetic peptide corresponding to the amino acid region 650 - 750 of the human Stat1 protein.

Specificity This antibody detects endogenous levels of Stat1 protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name Signal transducer and activator of transcription 1-alpha/beta (Transcription factor ISGF-3 components p91/p84)

Protein Name Stat1

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P42224	6772

Background

signal transducer and activator of transcription 1 (STAT1) Homo sapiens 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 can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008],



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