

STAT1

Polyclonal ANTIBODY

Catalog Number: 10144-2-AP

Featured Product

24 Publications

Basic Information

Catalog Number:
10144-2-AP

Size:
20 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG0199

GenBank Accession Number:
BC002704

GeneID (NCBI):
6772

Full Name:
signal transducer and activator of transcription 1, 91kDa

Calculated MW:
83 kDa

Observed MW:
84 kDa

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

IF 1:50-1:500

Applications

Tested Applications:

FC, IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IP, WB

Species Specificity:
human, rat

Cited Species:

human, mouse, rat

Note: suggested antigen retrieval with *TE* buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with *citrate* buffer pH 6.0

Positive Controls:

WB : PC-3 cells; multi-cells

IP : PC-3 cells;

IHC : human breast cancer tissue; human testis tissue

IF : PC-3 cells;

Background Information

STAT1 (signal transducers and activators of transcription 1) 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. Various ligands, including interferons- α and - β , EGF, PDGF and IL-6, can activate STAT1. STAT1 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. This antibody is a rabbit polyclonal antibody raised against residues near the N terminus of human STAT1.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuxuan Fu	28910400	PLoS Pathog	WB
Orawan Wonganan	29031523	Toxicol Appl Pharmacol	WB
Ighodaro Igbe	29371942	Oncotarget	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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