

For Research Use Only

# STAT1 Polyclonal antibody

Catalog Number: 51117-1-AP



## Basic Information

<b>Catalog Number:</b> 51117-1-AP	<b>GenBank Accession Number:</b> BC002704	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 180 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6772	
<b>Source:</b> Rabbit	<b>Full Name:</b> signal transducer and activator of transcription 1, 91kDa	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 83 kDa	

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human, mouse

## 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- and - $\gamma$ , 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 a peptide mapping within human STAT1.

## Storage

**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data