For Research Use Only

CoraLite®488-conjugated STAT1 Polyclonal antibody

www.ptglab.com

Catalog Number: CL488-10144-2

Featured Product

Basic Information

Catalog Number: CL488-10144-2 Concentration: 1000 ug/ml

Source: Rabbit Isotype:

Immunogen Catalog Number:

AG0199

Tested Applications:

Species Specificity:

GenBank Accession Number:

BC002704 GeneID (NCBI): 6772 **UNIPROT ID:** P42224

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

Calculated MW: 83 kDa Observed MW:

83-87 kDa

Purification Method: Antigen affinity purification Recommended Dilutions:

FC (Intra): 0.4 ug per 10^6 cells in a

100 µl suspension

Excitation/Emission maxima

wavelengths: 491 nm / 516 nm

Applications

FC (Intra)

human

Positive Controls:

FC (Intra): MCF-7 cells,

Background Information

STAT1 (signal transducers and activators of transcription 1) is a member of the STAT protein family. In response to $cytokines\ and\ growth\ factors, STAT\ family\ members\ are\ phosphory lated\ by\ the\ receptor\ associated\ kinases,\ and$ then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. Various ligands, including interferons- and -, 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.

Storage

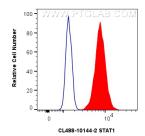
Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



1x10^6 MCF-7 cells were intracellularly stained with 0.4 ug Coralite®488 Stat1 Polyclonal Antibody (CL488-10144-2)(red), or 0.4 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).