

For Research Use Only

STAT1 Monoclonal antibody, PBS Only



Catalog Number: 66545-1-PBS

Featured Product

Basic Information

Catalog Number:

66545-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG0199

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:

84 kDa

Purification Method:

Protein A purification

CloneNo.:

1F7C6

Applications

Tested Applications:

WB, Indirect ELISA, IHC, IF

Species Specificity:

Human, rat, 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 -, 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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

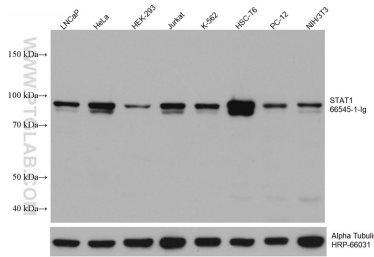
T: 4006900926

E: Proteintech-CN@ptglab.com

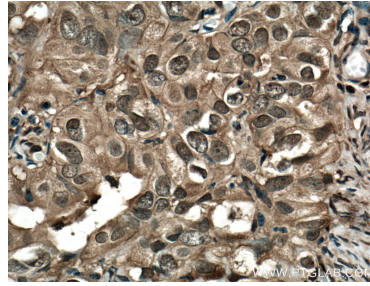
W: ptgcn.com

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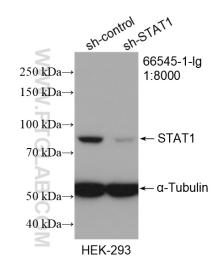
Selected Validation Data



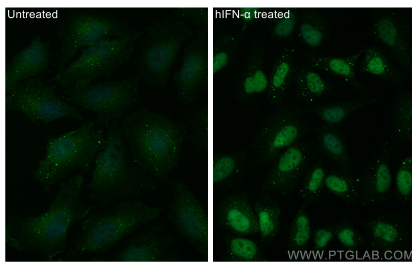
Various lysates were subjected to SDS PAGE followed by western blot with 66545-1-Ig (STAT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 66545-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66545-1-Ig (STAT1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66545-1-PBS in a different storage buffer formulation.



WB result of STAT1 antibody (66545-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-STAT1 transfected HEK-293 cells. This data was developed using the same antibody clone with 66545-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed IFN alpha treated HeLa cells using STAT1 antibody (66545-1-Ig, Clone: 1F7C6) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66545-1-PBS in a different storage buffer formulation.