For Research Use Only

Phospho-STAT5A (Tyr694)/STAT5B (Tyr699) Monoclonal antibody, PBS Only

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Catalog Number:68000-1-PBS

Basic Information

Catalog Number:
68000-1-PBS

Size:
1 mg/ml

Source:
Mouse

Isotype:
IgG2a

GenBank Accession Number:
BC027036

GeneID (NCBI):
6776

UNIPROT ID:
P42229

Full Name:
signal transducer and activator of transcription 5A

Calculated MW:
794 aa, 92 kDa

Observed MW:
90 kDa

Purification Method:
Protein A purification

CloneNo.:
1F7G5

Applications

Tested Applications:
WB,Indirect ELISA

Species Specificity:
Human

Background Information

STAT5A, also named as STAT5, belongs to the transcription factor STAT 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. STAT5A is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of STAT5A in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for the tumorigenesis. The mouse counterpart of human STAT5A is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of STAT5A in cells. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human STAT5A.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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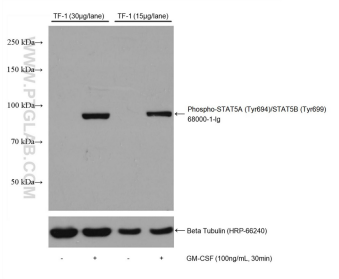
Selected Validation Data



Non-treated and GM-CSF treated TF-1 cells were subjected to SDS PAGE followed by western blot with 68000-1-Ig (Phospho-STAT5A (Tyr694)/STAT5B (Tyr699) antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Tubulin antibody as loading control. This data was developed using the same antibody clone with 68000-1-PBS in a different storage buffer formulation.