

Phospho-STAT5A-Y694 Rabbit mAb

Catalog No.: AP0758

Recombinant

2 Publications

Basic Information

Observed MW

100kDa

Calculated MW

91kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0176

Background

The protein encoded by this gene is a member of the STAT family of transcription factors. 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. This protein 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 this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. Alternatively spliced transcript variants have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

6776

Swiss Prot

P42229

Immunogen

A synthetic phosphorylated peptide around Y694 of human Stat5 (P42229).

Synonyms

MGF; STAT5; Phospho-STAT5A-Y694

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

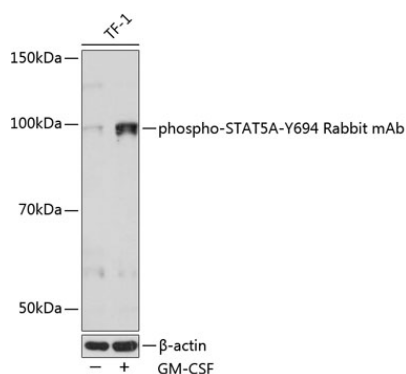
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of TF-1 cells, using Phospho-STAT5A-Y694 Rabbit mAb (AP0758) at 1:1000 dilution. TF-1 cells were treated by GM-CSF (25 ng/mL) at 37°C for 30 minutes after serum-starvation overnight.

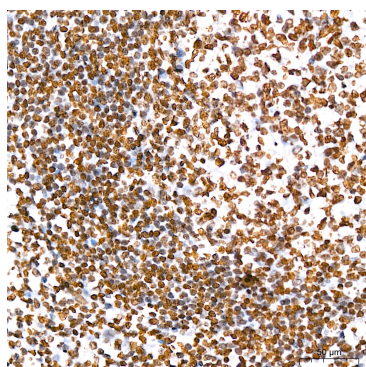
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

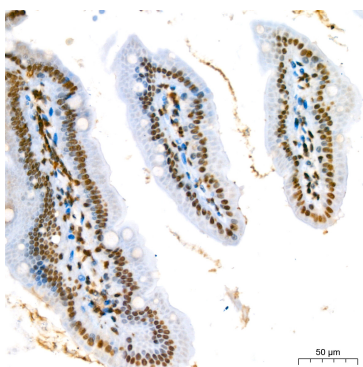
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

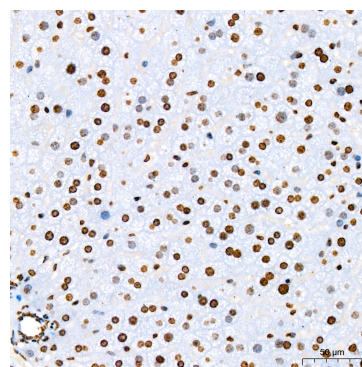
Exposure time: 60s.



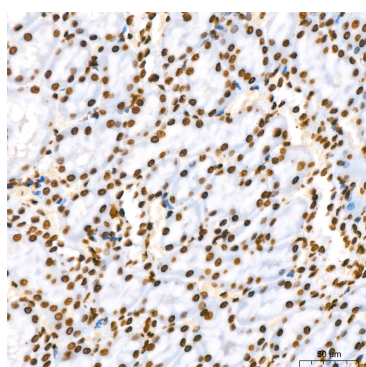
Immunohistochemistry analysis of paraffin-embedded human tonsil using Phospho-STAT5A-Y694 Rabbit mAb (AP0758) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



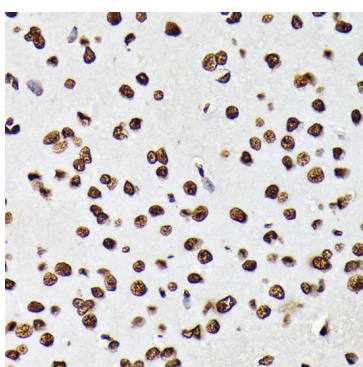
Immunohistochemistry analysis of paraffin-embedded mouse intestine using Phospho-STAT5A-Y694 Rabbit mAb (AP0758) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse liver using Phospho-STAT5A-Y694 Rabbit mAb (AP0758) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat kidney using Phospho-STAT5A-Y694 Rabbit mAb (AP0758) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

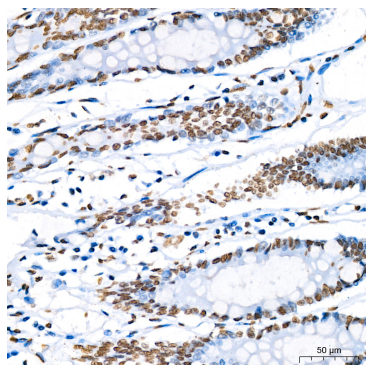


Immunohistochemistry analysis of paraffin-embedded rat brain using Phospho-STAT5A-Y694 antibody (AP0758) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

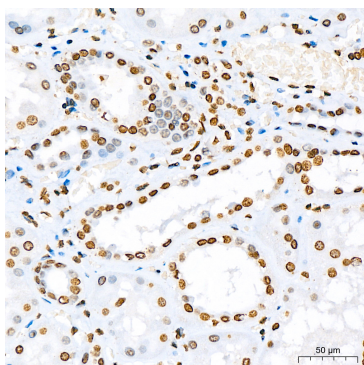


Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using Phospho-STAT5A-Y694 Rabbit mAb (AP0758) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

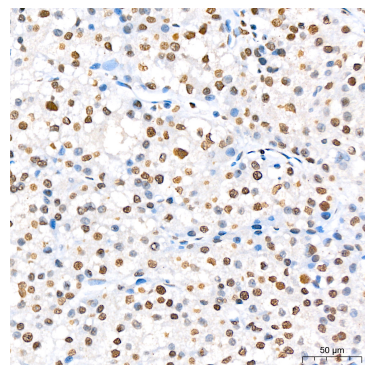
Validation Data



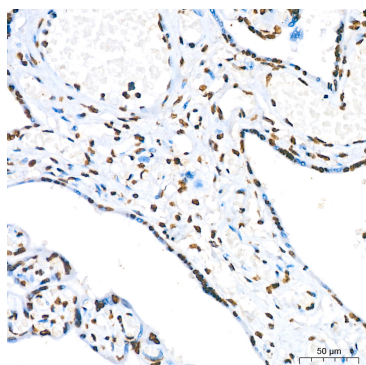
Immunohistochemistry analysis of paraffin-embedded human colon using Phospho-STAT5A-Y694 Rabbit mAb (AP0758) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



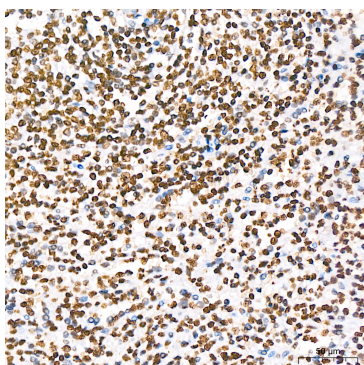
Immunohistochemistry analysis of paraffin-embedded human kidney using Phospho-STAT5A-Y694 Rabbit mAb (AP0758) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



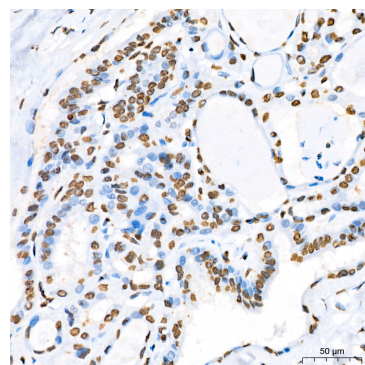
Immunohistochemistry analysis of paraffin-embedded human liver using Phospho-STAT5A-Y694 Rabbit mAb (AP0758) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human placenta using Phospho-STAT5A-Y694 Rabbit mAb (AP0758) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human spleen using Phospho-STAT5A-Y694 Rabbit mAb (AP0758) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human thyroid cancer using Phospho-STAT5A-Y694 Rabbit mAb (AP0758) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.