

STAT5A monoclonal antibody

Catalog: MB21671

Host: Mouse

Reactivity: Human

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 the 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.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

90.6kDa

Swiss-Prot:

P42229

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/50 FC:1/200 - 1/400

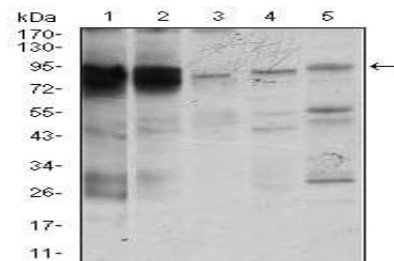
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

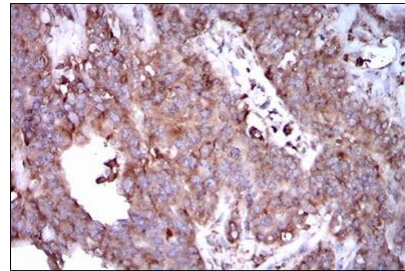
Isotype:

Mouse IgG1

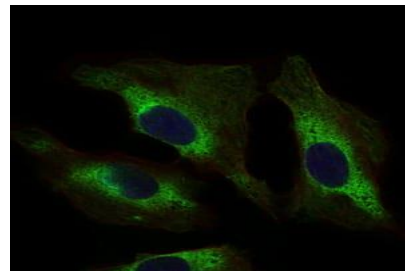
DATA:



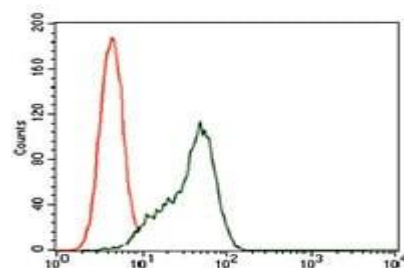
Western blot analysis using STAT5A mouse mAb against K562 (1), MOLT4 (2), HeLa (3), Jurkat (4), and A431 (5) cell lysate.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using STAT5A mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using STAT5A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of K562 cells using STAT5A mouse mAb

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

(green) and negative control (red).

For research use only, not for use in diagnostic procedure.

Note:

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