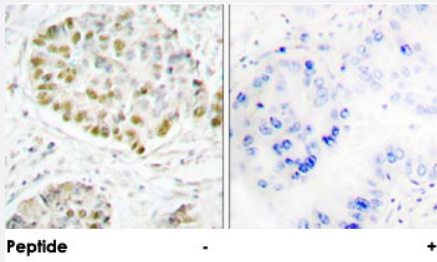


STAT5A polyclonal antibody

Catalog # PAB18379 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using STAT5A polyclonal antibody (Cat # PAB18379).

Peptide "+" means "peptide blocking".

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of STAT5A.

Immunogen A synthetic peptide corresponding to human STAT5A.

Host Rabbit

Reactivity Human, Mouse, Rat

Specificity This antibody is specific to STAT5A.

Form Liquid

Purification Affinity purification

Concentration 1 mg/mL

Recommend Usage Immunohistochemistry (1:50-1:100)
ELISA (1:5000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using STAT5A polyclonal antibody (Cat # PAB18379).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — STAT5A

Entrez GeneID[6776](#)**Protein Accession#**[P42229](#)**Gene Name**

STAT5A

Gene Alias

MGF, STAT5

Gene Description

signal transducer and activator of transcription 5A

Omim ID[601511](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

-

Publication Reference

- [Enforced activation of STAT5A facilitates the generation of embryonic stem-derived hematopoietic stem cells that contribute to hematopoiesis in vivo.](#)
Schuringa JJ, Wu K, Morrone G, Moore MA.
Stem Cells 2004 Jan; 22(7):1191.

Application: WB, Mouse, Embryonic stem-derived hematopoietic stem cells
- [STAT5a activation mediates the epithelial to mesenchymal transition induced by oncogenic RhoA.](#)
Benitah SA, Valeron PF, Rui H, Lacal JC.
Molecular and Cellular Biology 2003 Jan; 14(1):40.

Application: WB-Tr, Dog, MDCK cells
- [Signal transducer and activator of transcription 5a \(STAT5a\) is required for eosinophil differentiation of human cord blood-derived CD34+ cells.](#)
Buitenhuis M, Baltus B, Lammers JW, Coffe PJ, Koenderman L.
Blood 2003 Jan; 101(1):134.

Application: EMSA, WB-Ce, WB-Tr, Human, Eosinophils, CD34+ cells

Pathway

- [Acute myeloid leukemia](#)
- [Chronic myeloid leukemia](#)
- [ErbB signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hepatitis C](#)
- [Infant](#)
- [Leukemia](#)
- [Liver Neoplasms](#)
- [Lupus Erythematosus](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Respiratory Syncytial Virus Infections](#)
- [Viremia](#)