10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

STAT5b Antibody

Rabbit mAb
Catalog # AP90880

Product Information

Application	WB, IHC, IF, ICC, IP, IHF
Primary Accession	P51692
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Signal transducer and activator of transcription 5B; STA5B; STAT5; Stat5b; Transcription factor STAT5B;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	89866

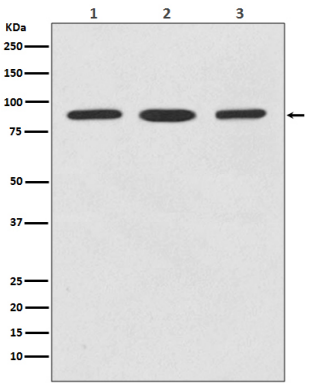
Additional Information

Dilution	WB 1:1000~1:2000 IHC 1:1000~1:2000 ICC/IF 1:1000~1:2000 IP 1:40
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human STAT5b
Description	Stat5 is activated in response to a wide variety of ligands including IL-2, GM-CSF, growth hormone and prolactin. Stat5 is constitutively active in some leukemic cell types. Phosphorylated Stat5 is found in some endothelial cells treated with IL-3, which suggests its involvement in angiogenesis and cell motility. Stat5a and Stat5b are independently regulated and activated in various cell types.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	STAT5B (HGNC:11367)
Function	Signal transducer and transcription activator that mediates cellular responses to cytokines, hormones and growth factors (PubMed:29844444, PubMed:9188471). Binds to the GAS element and activates PRL-induced transcription. Positively regulates hematopoietic/erythroid differentiation. Involved in the oncostatin-M- mediated signaling pathway through type II OSM receptor complex (heterodimers composed of OSMR and IL6ST) (PubMed:9188471).
Cellular Location	Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation.

Images



Western blot analysis of STAT5b expression in (1) HeLa cell lysate; (2) 3T3 cell lysate; (3) C6 cell lysate.

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Immunohistochemical analysis of paraffin-embedded human breast, using STAT5b Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.