STAT5A/B (Phospho Tyr694/699)(PT0067R) PT™ Rabbit mAb

CatalogNo: YM8629 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 91kD (Calculated)
105kD (Observed)

Isotype
- IgG, Kappa

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:100-1:500
WB 1:2000-1:10000
IF 1:200-1:1000
ELISA 1:5000-1:20000

Basic Information

Clonality	Monoclonal
Clone Number	PT0067R

Immunogen Information

Immunogen	The specific immunogen used to produce this antibody is proprietary information.
Specificity	This antibody detects endogenous levels of STAT5A/B only when phosphorylated at Tyr694.This antibody does not recognize phosphorylated at other sites.

Target Information

Gene name STAT5A/STAT5B

Protein Name Signal transducer and activator of transcription 5A/B

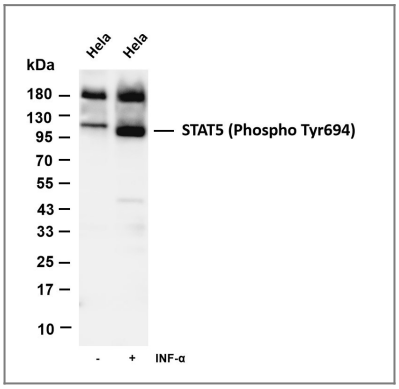
Organism	Gene ID	UniProt ID
Human	6776; 6777;	P42229; P51692;
Mouse	20850; 20851;	
Rat	24918; 25126;	Q62771; P52632;

Cellular Localization Cytoplasm , Nucleus

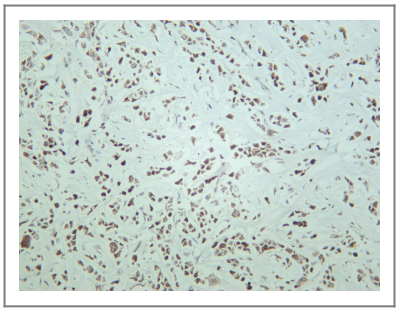
Tissue specificity Brain ,Cervix ,Epithelium ,Lung ,Placenta ,Synovial membrane

Function Function:Carries out a dual Function: signal transduction and activation of transcription. Binds to the GAS element and activates PRL-induced transcription. ,online information:STAT5 entry ,PTM:Tyrosine phosphorylated in response to IL-2 , IL-3 , IL-7 , IL-15 , GM-CSF , growth hormone , prolactin , erythropoietin and thrombopoietin. Tyrosine phosphorylation is required for DNA-binding activity and dimerization. Serine phosphorylation is also required for maximal transcriptional activity. ,similarity:Belongs to the transcription factor STAT family. ,similarity:Contains 1 SH2 domain. ,subcellular location:Translocated into the nucleus in response to phosphorylation. ,subunit:Forms a homodimer or a heterodimer with a related family member. Binds NR3C1 (By similarity) . Interacts with NCOA1 and SOCS7. ,

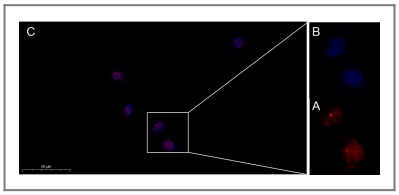
Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-STAT5 (Phospho Tyr694) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Hela Lane 2: Hela serum starvation for 4 hours then treated with INF-α (100 ng/mL) for 5 minutes Predicted band size: 91kDa Observed band size: 105kDa



Human breast was stained with anti-STAT5 (Phospho Tyr694) rabbit antibody



Immunofluorescence analysis of HepG2 . Picture A: STAT5 (Phospho Tyr694) (PT0067R) Rabbit mAb (red). Picture B: DAPI (blue). Picture C: Merge of A+B

Contact information

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Please scan the QR code to access additional product information:
STAT5A/B (Phospho Tyr694/699)(PT0067R) PT™ Rabbit mAb

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