

STAT1 (Acetyl Lys410/413) Rabbit pAb

CatalogNo: YK0173

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA, IHC

MW

- 85kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

ELISA 1:2000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human Stat1 (Acetyl Lys410/K413)

Specificity This antibody detects endogenous levels of Stat1 only when acetylated at Human:K410+K413, Mouse:K410+K413, Rat:K410+K413, and dually acetylated at two sites. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): QLKEQkN

| Target Information

Gene name STAT1

Protein Name Stat1 (Acetyl Lys410/K413)

Organism	Gene ID	UniProt ID
Human	6772 ;	P42224 ;
Mouse		P42225 ;

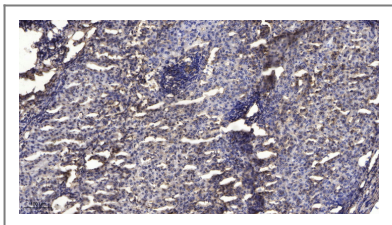
Cellular Localization

Cytoplasm . Nucleus . Translocated into the nucleus upon tyrosine phosphorylation and dimerization, in response to IFN-gamma and signaling by activated FGFR1, FGFR2, FGFR3 or FGFR4 (PubMed:15322115). Monomethylation at Lys-525 is required for phosphorylation at Tyr-701 and translocation into the nucleus (PubMed:28753426). Translocates into the nucleus in response to interferon-beta stimulation (PubMed:26479788). .

Function

response to reactive oxygen species, response to molecule of bacterial origin, circulatory system process,transcription, transcription, DNA-dependent, regulation of transcription, DNA-dependent, transcription from RNA polymerase II promoter, protein amino acid phosphorylation, phosphorus metabolic process, phosphate metabolic process, apoptosis, induction of apoptosis, activation of caspase activity, response to oxidative stress, cell surface receptor linked signal transduction, intracellular signaling cascade, protein kinase cascade, I-kappaB kinase/NF-kappaB cascade, JAK-STAT cascade, tyrosine phosphorylation of STAT protein, response to nutrient, blood circulation,cell death, positive regulation of cell proliferation, response to mechanical stimulus, response to virus, response to bacterium, response to abiotic stimulus, response to endogenous stimulus, response to hormone stimulus, response to extracellular stimulus, response to organic substance, response to inorganic substance, regulation of cell death,positive regulation of cell death, positive regulation of peptidase activity, programmed cell death, induction of programmed cell death, response to organic cyclic substance, death, phosphorylation, peptidyl-tyrosine phosphorylation, peptidyl-tyrosine modification, cytokine-mediated signaling pathway, lipopolysaccharide-mediated signaling pathway, response to nutrient levels, response to lipopolysaccharide, RNA biosynthetic process, response to insulin stimulus, cellular response to insulin stimulus, cellular response to hormone stimulus, response to cytokine stimulus, regulation of cell proliferation, response to drug, response to hydrogen peroxide, regulation of apoptosis,positive regulation of apoptosis, regulation of programmed cell death, positive regulation of programmed cell death,positive regulation of catalytic activity, positive regulation of caspase activity, regulation of caspase activity, response to exogenous dsRNA, response to dsRNA, response to peptide hormone stimulus, positive regulation of molecular function, regulation of transcription, regulation of smooth muscle cell proliferation, positive regulation of smooth muscle cell proliferation, regulation of RNA metabolic process, regulation of hydrolase activity, positive regulation of hydrolase activity, response to cAMP, regulation of peptidase activity, regulation of endopeptidase activity,

| Validation Data



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Tris-EDTA, pH 9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).

| Contact information

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**STAT1 (Acetyl
Lys410/413) Rabbit
pAb**

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