

JAK1(Phospho Tyr1034/1035) Rabbit pAb

CatalogNo: YP1373

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC

MW

- 132kD (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 1:200-1000

IHC 1:50-300

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human JAK1(Tyr1034 and 1035)

Specificity JAK1(Phospho Tyr1034/1035) Antibody detects endogenous levels of JAK1 protein only when phosphorylated at Tyr1034/1035. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):KEyyTV

Target Information

Gene name JAK1 JAK1A JAK1B

Protein Name JAK1 (Tyr1034/1035)

Organism	Gene ID	UniProt ID
Human	3716 ;	P23458 ;
Mouse		P52332 ;

Cellular Localization Endomembrane system; Peripheral membrane protein. Wholly intracellular , possibly membrane associated.

Tissue specificity Expressed at higher levels in primary colon tumors than in normal colon tissue. The expression level in metastatic colon tumors is comparable to the expression level in normal colon tissue.

Function Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate. ,Domain:Possesses two phosphotransferase domains. The second one probably contains the catalytic domain (By similarity) , while the presence of slight differences suggest a different role for domain 1. ,Domain:The FERM domain mediates interaction with JAKMIP1. ,Function:Tyrosine kinase of the non-receptor type , involved in the IFN-alpha/beta/gamma signal pathway. Kinase partner for the interleukin (IL) -2 receptor. ,sequence Caution:Translation N-terminally extended. ,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily. ,similarity:Contains 1 FERM domain. ,similarity:Contains 1 protein kinase domain. ,similarity:Contains 1 SH2 domain. ,subcellular location:Wholly intracellular , possibly membrane associated. ,subunit:Interacts with IL31RA , JAKMIP1 and SHB. ,tissue specificity:Expressed at higher levels in primary colon tumors than in normal colon tissue. The expression level in metastatic colon tumors is comparable to the expression level in normal colon tissue. ,

Validation Data

Contact information

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