

JAK1(Phospho Tyr1034/1035) (PT0991R) PT™ Rabbit mAb

CatalogNo: YM8759 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IF, ELISA

MW

- 133kD (Calculated)
- 133kD (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

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

Basic Information

Clonality Monoclonal

Clone Number PT0991R

Immunogen Information

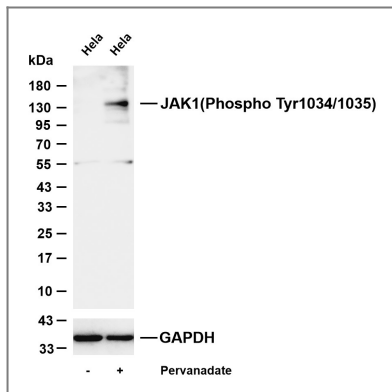
Immunogen The specific immunogen used to produce this antibody is proprietary information.

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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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	Tyrosine-protein kinase JAK1		
	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



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-JAK1 (Phospho Tyr1034/1035) (PT0991R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: HeLa was treated with Pervanadate (10mM) for 1 hour Predicted band size: 133kDa Observed band size: 133kDa

Contact information

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Please scan the QR code to access additional product information:

JAK1(Phospho Tyr1034/1035) (PT0991R) PT™ Rabbit mAb

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