

JAK1 Rabbit pAb

CatalogNo: YT2424

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IF, WB, IP, IHC, ELISA

MW

- 132kD (Observed)

Isotype

- IgG

| Recommended Dilution Ratios

IF 1:50-200

WB 1:200-1:1000

IHC 1:100-1:300

ELISA 1:10000

Not yet tested in other applications

| 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.

| Basic Information

Clonality

Polyclonal

| Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human JAK1. AA range:988-1037

Specificity

JAK1 Polyclonal Antibody detects endogenous levels of JAK1 protein.

| Target Information

Gene name	JAK1		
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

| Contact information

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