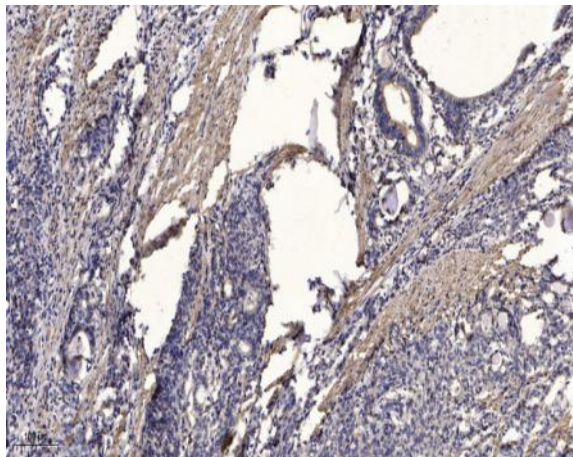


**Jak1(Phospho Tyr1034/1035) rabbit pAb**

|                              |  |
|------------------------------|--|
| <b>Catalog No :</b>          | YP1373   |
| <b>Reactivity :</b>          | Human;Mouse;Rat  |
| <b>Applications :</b>        | WB;IHC   |
| <b>Target :</b>              | JAK1   |
| <b>Fields :</b>              | >>EGFR tyrosine kinase inhibitor resistance;>>PI3K-Akt signaling pathway;>>Necroptosis;>>Osteoclast differentiation;>>Signaling pathways regulating pluripotency of stem cells;>>NOD-like receptor signaling pathway;>>JAK-STAT signaling pathway;>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>Leishmaniasis;>>Toxoplasmosis;>>Tuberculosis;>>Hepatitis C;>>Hepatitis B;>>Measles;>>Human cytomegalovirus infection;>>Influenza A;>>Human papillomavirus infection;>>Human T-cell leukemia virus 1 infection;>>Kaposi sarcoma-associated herpesvirus infection;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Coronavirus disease - COVID-19;>>Pathways in cancer;>>Viral carcinogenesis;>>Pancreatic cancer;>>PD-L1 expression and PD-1 checkpoint pathway in cancer |
| <b>Gene Name :</b>           | JAK1 JAK1A JAK1B   |
| <b>Protein Name :</b>        | Jak1(Tyr1034/1035)   |
| <b>Human Gene Id :</b>       | 3716   |
| <b>Human Swiss Prot No :</b> | P23458   |
| <b>Mouse Swiss Prot No :</b> | P52332   |
| <b>Immunogen :</b>           | Synthesized phospho peptide around human Jak1(Tyr1034 and 1035)  |
| <b>Specificity :</b>         | This antibody detects endogenous levels of Human Mouse Rat Jak1(phospho-Tyr1034 or 1035)   |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG   |

|                               |  |
|-------------------------------|--|
| <b>Dilution :</b>             | WB 1:200-1000;IHC 1:50-300   |
| <b>Purification :</b>         | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  |
| <b>Concentration :</b>        | 1 mg/ml  |
| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Do not lower than -25°C)   |
| <b>Observed Band :</b>        | 132kD  |
| <b>Cell Pathway :</b>         | Jak_STAT;Pathways in cancer;Pancreatic cancer;   |
| <b>Background :</b>           | This gene encodes a membrane protein that is a member of a class of protein-tyrosine kinases (PTK) characterized by the presence of a second phosphotransferase-related domain immediately N-terminal to the PTK domain. The encoded kinase phosphorylates STAT proteins (signal transducers and activators of transcription) and plays a key role in interferon-alpha/beta and interferon-gamma signal transduction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016],  |
| <b>Function :</b>             | 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 specif |
| <b>Subcellular Location :</b> | Endomembrane system; Peripheral membrane protein. Wholly intracellular, possibly membrane associated.  |
| <b>Expression :</b>           | 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.  |
| <b>Sort :</b>                 | 8762   |
| <b>No4 :</b>                  | 1  |
| <b>Host :</b>                 | Rabbit   |

## Products Images



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).