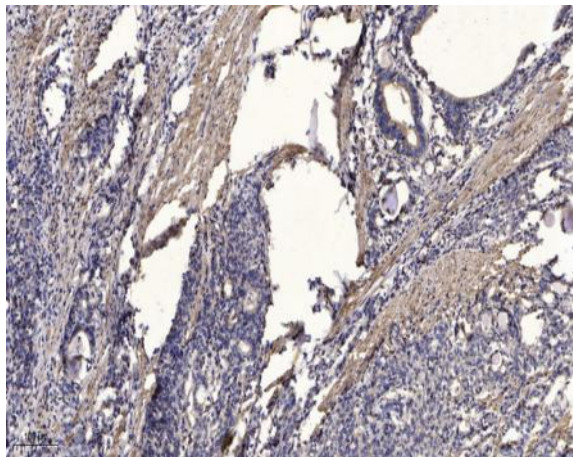


**Jak1(Phospho Tyr1034/1035) rabbit pAb**

<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).