Best Tools for immunology Research

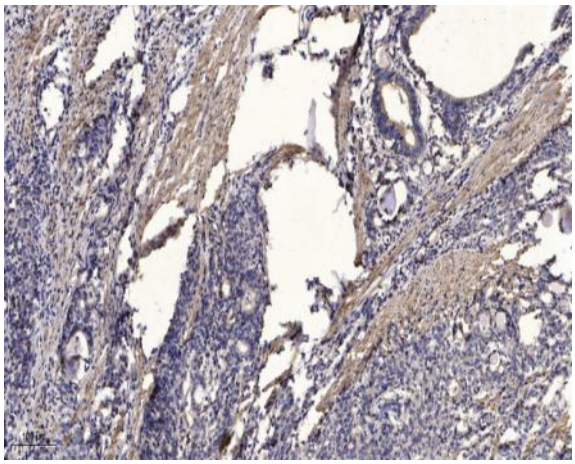
Jak1(Phospho Tyr1034/1035) rabbit pAb

Catalog No :	YP1373
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC
Target :	JAK1
Fields :	>>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
Gene Name :	JAK1 JAK1A JAK1B
Protein Name :	Jak1(Tyr1034/1035)
Human Gene Id :	3716
Human Swiss Prot No :	P23458
Mouse Swiss Prot No :	P52332
Immunogen :	Synthesized phosho peptide around human Jak1(Tyr1034 and 1035)
Specificity :	This antibody detects endogenous levels of Human Mouse Rat Jak1(phospho-Tyr1034 or 1035)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG

Dilution :	WB 1:200-1000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	132kD
Cell Pathway :	Jak_STAT;Pathways in cancer;Pancreatic cancer;
Background :	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],
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 specif
Subcellular Location :	Endomembrane system; Peripheral membrane protein. Wholly intracellular, possibly membrane associated.
Expression :	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.
Sort :	8762
No4 :	1
Host :	Rabbit

Modifications : Phospho

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).