

产品名称: JAK1(7G6)Mouse Monoclonal Antibody
产品货号: AMM12817



产品概述 (Summary)

产品名称 (Production Name)	JAK1(7G6)Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	IHC, ICC/IF
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	JAK1
别名 (Alternative Names)	JAK1
基因 ID (Gene ID)	3716.0
蛋白 ID (SwissProt ID)	P23458.Synthetic Peptide of JAK1 at AA range of 960-1040

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:200, ICC/IF 1:50-1:200
蛋白分子量 (Molecular Weight)	130kDa

研究背景 (Background)

This gene encodes a membrane protein that is a member of a class of protein-tyrosine kinases (PTK) characterized by the

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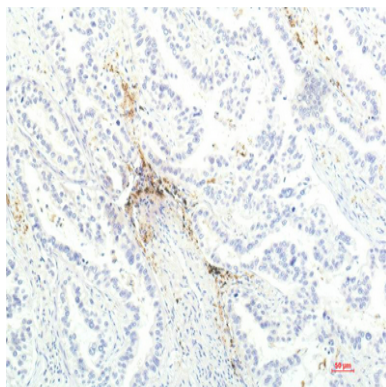


presence of a second phosphotransferase-related domain immediately N-terminal to the PTK domain. The encoded kinase phosphorylates STAT proteins (signal transducers and activators of transcription) and plays a key role in interferon-alpha/beta and interferon-gamma signal transduction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016],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.,

研究领域 (Research Area)

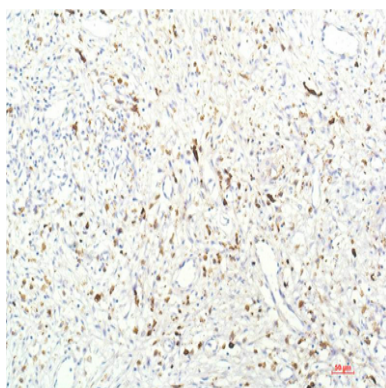
Jak_STAT;Pathways in cancer;Pancreatic cancer;

图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma Tissue using JAK1 Mouse mAb diluted at 1:200.

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Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using JAK1 Mouse mAb diluted at 1:200.

注意事项 (Note)

For research use only .