

JAK1 (7G6) Mouse mAb

CatalogNo: YM3606

| Key Features

Host Species

- Mouse

Reactivity

- Human,Rat,Mouse

Applications

- IHC,IF

MW

- 130kD (Observed)

| Recommended Dilution Ratios

IHC 1:100-200

IF 1:50-200

| 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 Monoclonal

Clone Number 7G6

| Immunogen Information

Immunogen Synthetic Peptide of JAK1 at AA range of 960-1040

Specificity JAK1 protein detects endogenous levels of JAK1

| Target Information

Gene name JAK1

Protein Name JAK1

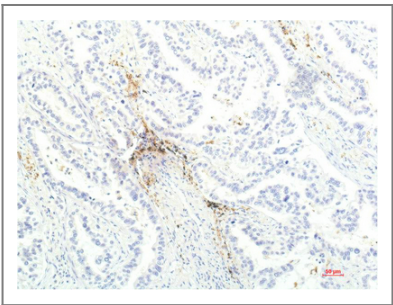
Organism	Gene ID	UniProt ID
Human	3716 ;	P23458 ;
Mouse		P52332 ;

Cellular Localization Endomembrane system; Peripheral membrane protein. Wholly intracellular, possibly membrane associated.

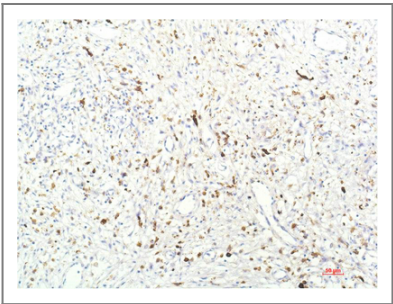
Tissue specificity Expressed at higher levels in primary colon tumors than in normal colon tissue. The expression level in metastatic colon tumors is comparable to the expression level in normal colon tissue.

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



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



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

| Contact information

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Please scan the QR code
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product information:
**JAK1 (7G6) Mouse
mAb**

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