

## 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

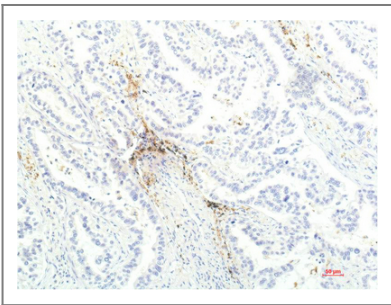
Organism	Gene ID	UniProt ID
Human	<a href="#">3716;</a>	<a href="#">P23458;</a>
Mouse		<a href="#">P52332;</a>

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

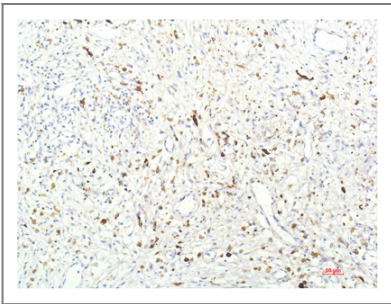
**Tissue specificity** Expressed at higher levels in primary colon tumors than in normal colon tissue. The expression level in metastatic colon tumors is comparable to the expression level in normal colon tissue.

**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  
to access additional  
product information:  
**JAK1 (7G6) Mouse  
mAb**

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