

## IMP-3 Mouse mAb

CatalogNo: YM0374

Orthogonal Validated 

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human

#### Applications

- WB,IHC,IF,ELISA

#### MW

- 64kD (Calculated)

### Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:200-1:1000

ELISA 1:10000

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

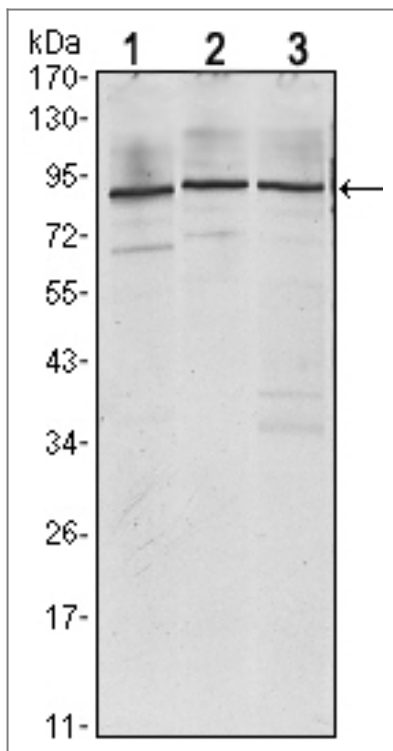
### Immunogen Information

**Immunogen** Purified recombinant fragment of human IMP-3 expressed in E. Coli.**Specificity** IMP-3 Monoclonal Antibody detects endogenous levels of IMP-3 protein.

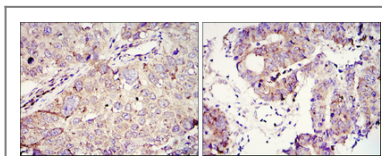
### Target Information

Gene name	IGF2BP3		
Protein Name	Insulin-like growth factor 2 mRNA-binding protein 3		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">10643</a> ;	<a href="#">O00425</a> ;
	Mouse		<a href="#">Q9CPN8</a> ;
Cellular Localization	Nucleus. Cytoplasm. Cytoplasm, P-body . Cytoplasm, Stress granule . Found in lamellipodia of the leading edge, in the perinuclear region, and beneath the plasma membrane. The subcytoplasmic localization is cell specific and regulated by cell contact and growth. Localized at the connecting piece and the tail of the spermatozoa. Colocalized with CD44 mRNA in RNP granules. In response to cellular stress, such as oxidative stress, recruited to stress granules.		
Tissue specificity	Expressed in fetal liver, fetal lung, fetal kidney, fetal thymus, fetal placenta, fetal follicles of ovary and gonocytes of testis, growing oocytes, spermatogonia and semen (at protein level). Expressed in cervix adenocarcinoma, in testicular, pancreatic and renal-cell carcinomas (at protein level). Expressed ubiquitously during fetal development at 8 and 14 weeks of gestation. Expressed in ovary, testis, brain, placenta, pancreatic cancer tissues and pancreatic cancer cell lines.		
Function	Disease:Autoantibodies against IGF2BP3 are detected in sera from some patients with a variety of carcinomas.,Function:RNA-binding protein that act as a regulator of mRNA translation and stability. Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs. Binds to sequences in the 3'-UTR of CD44 mRNA.,similarity:Belongs to the RRM IMP/VICKZ family.,similarity:Contains 2 RRM (RNA recognition motif) domains.,similarity:Contains 4 KH domains.,subcellular location:Found in lamellipodia of the leading edge, in the perinuclear region, and beneath the plasma membrane. The subcytoplasmic localization is cell specific and regulated by cell contact and growth. Localized at the connecting piece and the tail of the spermatozoa. Colocalized with CD44 mRNA in RNP granules.,subunit:Homodimer and multimer.,tissue specificity:Expressed in fetal liver, fetal lung, fetal kidney, fetal thymus, fetal placenta, fetal follicles of ovary and gonocytes of testis, growing oocytes, spermatogonia and semen (at protein level). Expressed in cervix adenocarcinoma, in testicular, pancreatic and renal-cell carcinomas (at protein level). Expressed ubiquitously during fetal development at 8 and 14 weeks of gestation. Expressed in ovary, testis, brain, placenta, pancreatic cancer tissues and pancreatic cancer cell lines.,		

| Validation Data



Western Blot analysis using IMP-3 Monoclonal Antibody against Jurkat (1), K562 (2) and NTERA-2 (3) cell lysate.



Immunohistochemistry analysis of paraffin-embedded lung cancer (left) and colon tumour tissues (right) with DAB staining using IMP-3 Monoclonal Antibody.

## Contact information

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Please scan the QR code to access additional product information:  
**IMP-3 Mouse mAb**

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