

## IMP-3 monoclonal antibody

Catalog: MB9303

Host: Mouse

Reactivity: Human, Mouse, Rat

### BackGround:

Insulin like growth factor 2 mRNA binding proteins (IGF2BPs) bind RNA and influence RNA synthesis and metabolism. IGF2BP1, also known as coding region determinant-binding protein/insulin-like growth factor II mRNA-binding protein (CRD-BP), IMP1 or VICKZ1; IGF2BP2 (IMP2, VICKZ2, p62); and IGF2BP2 (IMP3, KOC1, VICKZ3) contain a unique combination of RNA recognition motifs and four hnRNP K homology domains. IGF2BP1 is abundant in embryonal tissues and is expressed in 81% of colon cancers, 73% of sarcomas and 58.5% of breast cancers. It recognizes c-Myc, IGF-II and t mRNAs, and H19 RNA, and plays a major role in proliferation of K-562 cells by an IGF-II-dependent mechanism. IGF2BP2 binds the 5' UTR of IGF-II mRNA and influences tumor cell growth, in which IGF2BP2 is associated with apoptosis induced by tretinoin. IGF2BP3 knockdown by RNA interference decreases levels of IGF-II protein without affecting IGF-II, c-Myc, or  $\beta$  Actin mRNA and H19 RNA levels. IGF2BP3 is a marker for carcinomas and high-grade dysplastic lesions of pancreatic ductal epithelium.

### Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

62 kDa

### Swiss-Prot:

O00425(Human) Q9CPN8(Mouse)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:2,000

ICC:1:50

IHC:1:50-1:200

FC:1:50-1:100

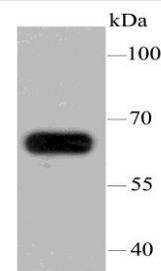
### Storage&Stability:

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

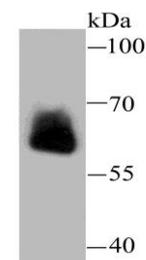
### Specificity:

IMP-3 monoclonal antibody detects endogenous levels of IMP-3 protein.

### DATA:



Western blot analysis of IMP3 on HeLa lysate using anti-IMP3 antibody at 1/1,000 dilution.



Western blot analysis of IMP3 on 293T lysate using anti-IMP3 antibody at 1/1,000 dilution.

### Note:

For research use only, not for use in diagnostic procedure.

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