

IMP-3 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50287

Clone# BP6264

Predicted Molecular Wt: 64kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: O00425

Background:

IMP-3 is RNA-binding factor that may recruit target transcripts to cytoplasmic protein-RNA complexes (mRNPs). It also modulates the rate and location at which target transcripts encounter the translational apparatus and shields them from endonuclease attacks or microRNA-mediated degradation. IMP-3 binds to N6-methyladenosine (m6A)-containing mRNAs and increases their stability. IMP-3 Binds to the 3'-UTR of CD44 mRNA and stabilizes it, hence promotes cell adhesion and invadopodia formation in cancer cells.

IMP-3 expressed in fetal liver, fetal lung, fetal kidney, fetal thymus, fetal placenta, fetal follicles of ovary, gonocytes of testis, growing oocytes, spermatogonia and semen. It also expressed in ovary, testis, brain, placenta, pancreatic cancer tissues, cervix adenocarcinoma, in testicular pancreatic and renal-cell carcinomas.

Multiple studies have found that IMP-3 is a marker of malignancy associated with increased tumor aggressiveness and decreased overall survival. It also can be used to distinguish pancreatic cancer from chronic sclerosing pancreatitis.

Subcellular location:

Cytoplasm/Nucleus

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Recombinant protein fragment of IMP-3 was used as an immunogen. This information is proprietary to Biolynx.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

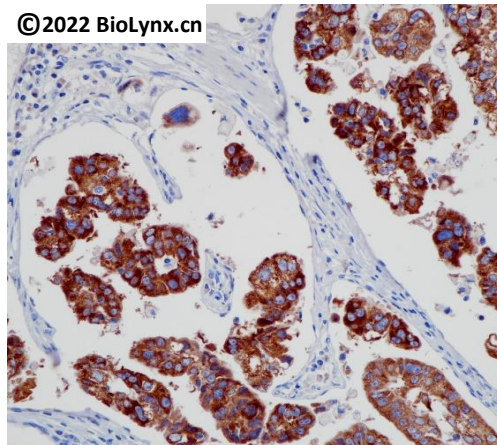
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

1. PMID: 16541107
2. PMID: 23640942



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human pancreatic cancer labelling IMP-3 with BP6264.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.