

DATASHEET

IMP-3 Rabbit Monoclonal Antibody(ARB976)

CAT. NO. ARB6768

KEY FEATURES

Target	IMP-3	Clonality	Monoclonal
Clone ID	ARB976	Applications	IHC
Source / Host	Rabbit	Dilution	1:100-1:200
Reactivity	Human	Storage	at-20°C

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.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100 - 1:200
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

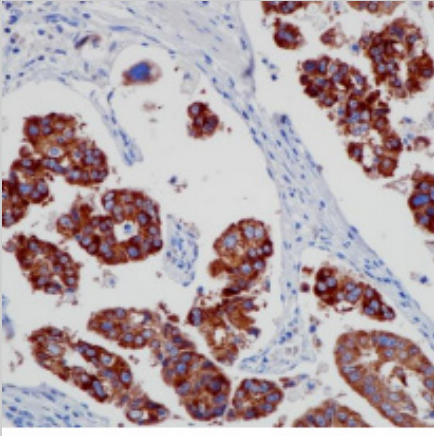
Predicted Molecular Wt	64kDa
Purity	ProA affinity purified IgG
Subcellular location	Cytoplasm/Nucleus
Swissprot ID	O00425
Immunogen	Recombinant protein fragment of IMP-3 was used as an immunogen.
Storage Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%
Recommended Method	Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Immunohistochemical staining of human pancreatic carcinoma tissue using IMP-3 Rabbit Monoclonal Antibody(ARB976)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com