



# Mouse Anti-Human IMP3 monoclonal antibody, clone JID717 (CABT-L2924)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
<b>Specificity</b>	Human IMP3
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	JID717
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC
<b>Reconstitution</b>	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
<b>Positive Control</b>	Pancreatic Ductal Adenocarcinoma, Placenta
<b>Format</b>	Liquid
<b>Size</b>	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
<b>Buffer</b>	Predilute: Antibody Diluent Buffer

Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

<b>Preservative</b>	< 0.1% Sodium Azide
<b>Storage</b>	Store at 2-8°C. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction** Insulin-like growth factor 2 mRNA-binding protein 3 (IMP3), is a regulator of targets such as insulin-like growth factor-2 and beta-actin. The protein is localized mainly in the nucleolus, and plays a critical role in early embryogenesis as it helps mediate the development of the intestine, thymus, pancreas, and kidneys. IMP3 has been reported as a potential aid in the classification of non-small cell lung carcinomas and pancreatic adenocarcinomas, and studies have shown IMP3 to be correlated with increased tumor aggressiveness and reduced overall survival. IMP3 has also been clinically linked to a number of other cancers including adenocarcinomas of the uterine cervix and esophagus, as well as triple negative breast cancer, endometrial and urothelial carcinomas, renal cell and Merkel cell carcinomas, malignant melanoma, and neuroendocrine carcinoma of the lung.

**Keywords** IMP3;IMP3, U3 small nucleolar ribonucleoprotein;BRMS2;MRPS4;C15orf12;U3 small nucleolar ribonucleoprotein protein IMP3;U3 snoRNP protein IMP3;U3 snoRNP protein 3 homolog;IMP3, U3 small nucleolar ribonucleoprotein, homolog;

## GENE INFORMATION

<b>Gene Name</b>	IMP3 IMP3, U3 small nucleolar ribonucleoprotein [ Homo sapiens (human) ]
<b>Official Symbol</b>	IMP3
<b>Synonyms</b>	IMP3; IMP3, U3 small nucleolar ribonucleoprotein; BRMS2; MRPS4; C15orf12; U3 small nucleolar ribonucleoprotein protein IMP3; U3 snoRNP protein IMP3; U3 snoRNP protein 3 homolog; IMP3, U3 small nucleolar ribonucleoprotein, homolog;
<b>Entrez Gene ID</b>	<a href="#">55272</a>
<b>Protein Refseq</b>	NP_060755
<b>UniProt ID</b>	<a href="#">Q9NV31</a>
<b>Chromosome Location</b>	15q24
<b>Pathway</b>	Ribosome biogenesis in eukaryotes;

**Function**

poly(A) RNA binding; protein binding; NOT rRNA binding; snoRNA binding; NOT structural constituent of ribosome;

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