

Product datasheet for **TA342977**

WIBG (PYM1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-Wibg antibody is: synthetic peptide directed towards the middle region of Mouse Wibg. Synthetic peptide located within the following region: GLSKTAKRNLKRKEKRRQQEKEAEALSRTLDKVSLGDTAQIPSALQGPQ
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	22 kDa
Gene Name:	PYM homolog 1, exon junction complex associated factor
Database Link:	NP_115721 Entrez Gene 78428 Mouse Q9BRP8



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Background:

Wibg is a key regulator of the exon junction complex (EJC), a multiprotein complex that associates immediately upstream of the exon-exon junction on mRNAs and serves as a positional landmarks for the intron exon structure of genes and directs post-transcriptional processes in the cytoplasm such as mRNA export, nonsense-mediated mRNA decay (NMD) or translation. It acts as a EJC disassembly factor, allowing translation-dependent EJC removal and recycling by disrupting mature EJC from spliced mRNAs. Its association with the 40S ribosomal subunit probably prevents a translation-independent disassembly of the EJC from spliced mRNAs, by restricting its activity to mRNAs that have been translated. Wibg interferes with NMD and enhances translation of spliced mRNAs, probably by antagonizing EJC functions.

Synonyms:

PYM; WIBG

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Guinea pig: 100%; Rabbit: 93%; Zebrafish: 91%; Yeast: 82%

Product images:

Host: Rabbit; Target Name: Wibg; Sample Tissue: Mouse Thymus lysates; Antibody Dilution: 1.0 ug/ml