

Datasheet for ABIN955577  
**anti-PYM antibody (N-Term)**

## 2 Images

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## Overview

Quantity:	0.4 mL
Target:	PYM (WIBG)
Binding Specificity:	AA 15-44, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 15-44 amino acids from the N-terminal region of human WIBG
Isotype:	Ig Fraction
Specificity:	This antibody detects WIBG / PYM (N-term).
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse
Purification:	Protein A column followed by peptide affinity purification

## Target Details

Target:	PYM (WIBG)
Alternative Name:	WIBG / PYM ( <a href="#">WIBG Products</a> )

## Target Details

Background:	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. 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. Interferes with NMD and enhances translation of spliced mRNAs, probably by antagonizing EJC functions. May bind RNA, the relevance of RNA-binding remains unclear in vivo, RNA-binding was detected by PubMed:14968132, while PubMed:19410547 did not detect RNA-binding activity independently of the EJC.Synonyms: Partner of Y14 and mago, Protein wibg homolog
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Gene ID:	84305
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NCBI Accession:	<a href="#">NP_001137325</a>
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## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	0.25 mg/mL
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Buffer:	PBS with 0.09 % (W/V) sodium azide
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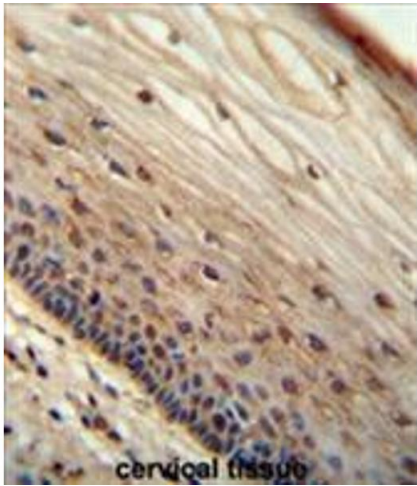
Preservative:	Sodium azide
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Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling Advice:	Avoid repeated freezing and thawing.
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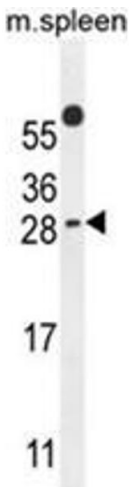
Storage:	4 °C/-20 °C
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Storage Comment:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer.
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**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** WIBG antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human cervical tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the WIBG antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** WIBG Antibody (N-term) western blot analysis in mouse spleen tissue lysates (35 µg/lane). This demonstrates the WIBG antibody detected the WIBG protein (arrow).