

# Wibg Antibody - middle region

Rabbit Polyclonal Antibody Catalog # AI14527

### **Product Information**

Application WB
Primary Accession Q8CHP5

Other Accession NM 001170869, NP 001164340

**Reactivity** Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine,

Yeast

Predicted Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine,

Yeast

Host Rabbit
Clonality Polyclonal
Calculated MW 22690

## **Additional Information**

**Gene ID** 78428

Alias Symbol A030010B05Rik, Pym

Other Names Partner of Y14 and mago, Protein wibg homolog, Wibg, Pym

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

**Reconstitution & Storage** Add 50 ul of distilled water. Final anti-Wibg antibody concentration is 1 mg/ml

in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C.

Avoid repeat freeze-thaw cycles.

**Precautions** Wibg Antibody - middle region is for research use only and not for use in

diagnostic or therapeutic procedures.

## **Protein Information**

Name Pym1 {ECO:0000312 | MGI:MGI:1925678}

**Synonyms** Pym, Wibg

**Function** Key regulator of the exon junction complex (EJC), a multiprotein complex

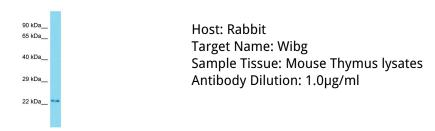
that associates immediately upstream of the exon- exon junction on mRNAs and serves as a positional landmark for the intron exon structure of genes and directs post-transcriptional processes in the cytoplasm such as mRNA export, nonsense-mediated mRNA decay (NMD) or translation. Acts as an EJC disassembly 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 (By similarity).

#### **Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:Q9BRP8}. Nucleus, nucleolus {ECO:0000250|UniProtKB:Q9BRP8}. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q9BRP8}. Note=Shuttles between the nucleus and the cytoplasm. Nuclear export is mediated by XPO1/CRM1 {ECO:0000250|UniProtKB:Q9BRP8}

## **Images**



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.