

WIBG Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10709a**Specification**

WIBG Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9BRP8](#)**WIBG Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 84305**Other Names**

Partner of Y14 and mago, Protein wibg homolog, WIBG, PYM

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

WIBG Antibody (N-term) Blocking peptide - Protein Information**Name** PYM1 ([HGNC:30258](#))**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. May bind RNA; the relevance of RNA-binding remains unclear in vivo, RNA-binding was detected by PubMed:[14968132](http://www.uniprot.org/citations/14968132), while PubMed:[19410547](http://www.uniprot.org/citations/19410547) did not detect RNA-binding activity independently of the EJC.

Cellular Location

Cytoplasm. Nucleus, nucleolus. Nucleus, nucleoplasm. Note=Shuttles between the nucleus and the

cytoplasm (PubMed:14968132). Nuclear export is mediated by XPO1/CRM1 (PubMed:14968132).

WIBG Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

WIBG Antibody (N-term) Blocking peptide - Images

WIBG Antibody (N-term) Blocking peptide - Background

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WIBG Antibody (N-term) Blocking peptide - References

Gehring, N.H., et al. Cell 137(3):536-548(2009) Diem, M.D., et al. Nat. Struct. Mol. Biol. 14(12):1173-1179(2007) Forler, D., et al. Nat. Biotechnol. 21(1):89-92(2003) Gatfield, D., et al. J. Cell Biol. 159(4):579-588(2002)