

**BZW2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6607a****Specification**

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**BZW2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9Y6E2](#)**BZW2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 28969**Other Names**

Basic leucine zipper and W2 domain-containing protein 2, BZW2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6607a](/products/AP6607a) was selected from the N-term region of human BZW2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**BZW2 Antibody (N-term) Blocking Peptide - Protein Information****Name** BZW2**Synonyms** 5MP1 {ECO:0000303|PubMed:21745818}**Function**

Translation initiation regulator which represses non-AUG initiated translation and repeat-associated non-AUG (RAN) initiated translation by acting as a competitive inhibitor of eukaryotic translation initiation factor 5 (EIF5) function (PubMed: [21745818](http://www.uniprot.org/citations/21745818), PubMed: [28981728](http://www.uniprot.org/citations/28981728), PubMed: [34260931](http://www.uniprot.org/citations/34260931), PubMed: [29470543](http://www.uniprot.org/citations/29470543)). Increases the accuracy of translation initiation by impeding EIF5-dependent translation from non-AUG codons by competing with it for interaction with EIF2S2 within the 43S pre-initiation complex (PIC) in an EIF3C- binding dependent manner (PubMed: [21745818](#)).

href="http://www.uniprot.org/citations/21745818" target="\_blank">21745818</a>, PubMed:<a href="http://www.uniprot.org/citations/28981728" target="\_blank">28981728</a>, PubMed:<a href="http://www.uniprot.org/citations/34260931" target="\_blank">34260931</a>).

**Cellular Location**

Cytoplasm.

**BZW2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**BZW2 Antibody (N-term) Blocking Peptide - Images****BZW2 Antibody (N-term) Blocking Peptide - Background**

BZW2 may be involved in neuronal differentiation.