

**PIGZ Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP5778b****Specification**

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**PIGZ Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [Q86VD9](#)  
Other Accession [NP\\_079439.2](#)

**PIGZ Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 80235

**Other Names**

GPI mannosyltransferase 4, 241-, GPI mannosyltransferase IV, GPI-MT-IV,  
Phosphatidylinositol-glycan biosynthesis class Z protein, PIG-Z, SMP3 homolog, hSMP3, PIGZ, SMP3

**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.

**PIGZ Antibody (C-term) Blocking peptide - Protein Information**

**Name** PIGZ

**Synonyms** SMP3

**Function**

Mannosyltransferase involved in glycosylphosphatidylinositol- anchor biosynthesis. Transfers a fourth mannose to some trimannosyl- GPIs during GPI precursor assembly. The presence of a fourth mannose in GPI is facultative and only scarcely detected, suggesting that it only exists in some tissues.

**Cellular Location**

Endoplasmic reticulum membrane; Multi-pass membrane protein

**Tissue Location**

Widely expressed at low level, with highest level in brain and colon.

**PIGZ Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **PIGZ Antibody (C-term) Blocking peptide - Images**

#### **PIGZ Antibody (C-term) Blocking peptide - Background**

The glycosylphosphatidylinositol (GPI) anchor is a glycolipid found on many blood cells that serves to anchor proteins to the cell surface. This gene encodes a protein that is localized to the endoplasmic reticulum, and is involved in GPI anchor biosynthesis. As shown for the yeast homolog, which is a member of a family of dolichol-phosphate-mannose (Dol-P-Man)-dependent mannosyltransferases, this protein can also add a side-branching fourth mannose to GPI precursors during the assembly of GPI anchors.

#### **PIGZ Antibody (C-term) Blocking peptide - References**

Taron, B.W., et al. J. Biol. Chem. 279(34):36083-36092(2004) Eisenhaber, B., et al. Bioessays 25(4):367-385(2003) Oriol, R., et al. Mol. Biol. Evol. 19(9):1451-1463(2002) Grimme, S.J., et al. J. Biol. Chem. 276(29):27731-27739(2001)