

**GROS1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6145a****Specification**

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**GROS1 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q32P28](#)  
Other Accession [NP\\_071751](#)

**GROS1 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 64175

**Other Names**

Prolyl 3-hydroxylase 1, Growth suppressor 1, Leucine- and proline-enriched proteoglycan 1, Leprecan-1, LEPRE1, GROS1, P3H1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6145a](/product/products/AP6145a) was selected from the C-term region of human GROS1. 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.

**GROS1 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** P3H1 ([HGNC:19316](#))

**Function**

Basement membrane-associated chondroitin sulfate proteoglycan (CSPG). Has prolyl 3-hydroxylase activity catalyzing the post- translational formation of 3-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens, especially types IV and V. May be involved in the secretory pathway of cells. Has growth suppressive activity in fibroblasts.

**Cellular Location**

[Isoform 1]: Endoplasmic reticulum

**GROS1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**GROS1 Antibody (C-term) Blocking Peptide - Images****GROS1 Antibody (C-term) Blocking Peptide - Background**

GROS1 is a tumor suppressor protein encoded by a gene on human chromosome 1p31, a region mutated in many malignancies. Gros1 identity to leprecan, a basement membrane-associated proteoglycan, has been reported. The precise cellular function of GROS1 has not been determined.

**GROS1 Antibody (C-term) Blocking Peptide - References**

Kaul, S.C., et al., Oncogene 19(32):3576-3583 (2000).