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GROS1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6145a

Specification

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 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

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).

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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