

**PRUNE Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9748b****Specification**

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**PRUNE Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q86TP1](#)**PRUNE Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 58497**Other Names**

Protein prune homolog, hPrune, Drosophila-related expressed sequence 17, DRES-17, DRES17, HTcD37, PRUNE

**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.

**PRUNE Antibody (C-term) Blocking Peptide - Protein Information****Name** PRUNE1 ([HGNC:13420](#))**Synonyms** PRUNE**Function**

Phosphodiesterase (PDE) that has higher activity toward cAMP than cGMP, as substrate. Plays a role in cell proliferation, migration and differentiation, and acts as a negative regulator of NME1. Plays a role in the regulation of neurogenesis (PubMed:&lt;a href="http://www.uniprot.org/citations/28334956" target="\_blank"&gt;28334956&lt;/a&gt;). Involved in the regulation of microtubule polymerization (PubMed:&lt;a href="http://www.uniprot.org/citations/28334956" target="\_blank"&gt;28334956&lt;/a&gt;).

**Cellular Location**

Cytoplasm. Nucleus. Cell junction, focal adhesion. Note=In some transfected cells a nuclear staining is also observed

**Tissue Location**

Ubiquitously expressed. Seems to be overexpressed in aggressive sarcoma subtypes, such as leiomyosarcomas and malignant fibrous histiocytomas (MFH) as well as in the less malignant liposarcomas.

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

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

- [Blocking Peptides](#)

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

Phosphodiesterase (PDE) that has higher activity toward cAMP than cGMP, as substrate. It plays a role in cell proliferation, is able to induce cell motility and acts as a negative regulator of NME1.

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

Vieira, A.R., et al. Genet. Med. 10(9):668-674(2008)Middelhaufe, S., et al. Biochem. J. 407(2):199-205(2007)Kobayashi, T., et al. Mol. Cell. Biol. 26(3):898-911(2006)Zollo, M., et al. Clin. Cancer Res. 11(1):199-205(2005)Forus, A., et al. Oncogene 20(47):6881-6890(2001)Reymond, A., et al. Oncogene 18(51):7244-7252(1999)