

**PRUNE Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9748b**

**Specification**

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**PRUNE Antibody (C-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">Q86TP1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50200
Antigen Region	360-389

**PRUNE Antibody (C-term) - Additional Information**

**Gene ID** 58497

**Other Names**

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

**Target/Specificity**

This PRUNE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 360-389 amino acids from the C-terminal region of human PRUNE.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PRUNE Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PRUNE Antibody (C-term) - 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:[28334956](#)). Involved in the regulation of microtubule polymerization (PubMed:[28334956](#)).

## Cellular Location

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

## Tissue Location

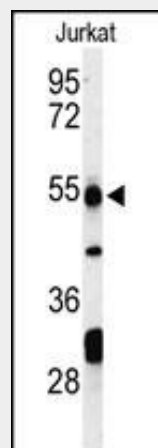
Ubiquitously expressed. Seems to be overexpressed in aggressive sarcoma subtypes, such as leiomyosarcomas and malignant fibrous histiocytomas (MFH) as well as in the less malignant liposarcomas.

## PRUNE Antibody (C-term) - Protocols

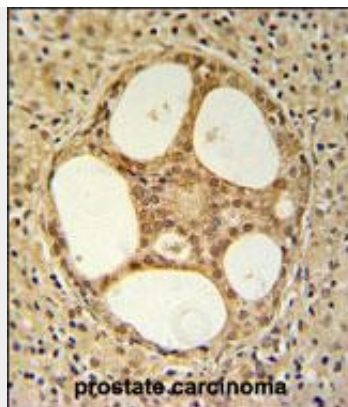
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

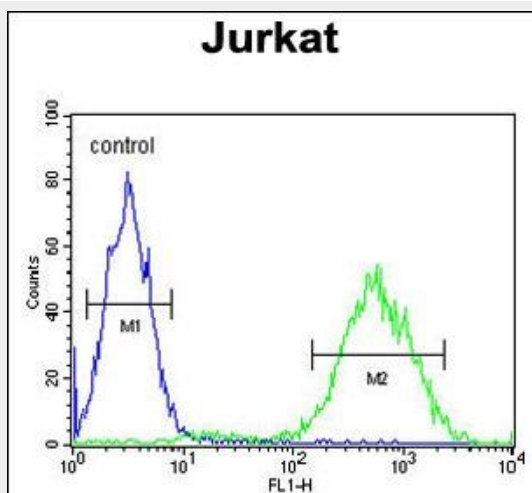
## PRUNE Antibody (C-term) - Images



Western blot analysis of PRUNE Antibody (C-term) (Cat. #AP9748b) in Jurkat cell line lysates (35ug/lane). PRUNE (arrow) was detected using the purified Pab.



PRUNE Antibody (C-term) (Cat. #AP9748b) IHC analysis in formalin fixed and paraffin embedded prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PRUNE Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



PRUNE Antibody (C-term) (Cat. #AP9748b) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **PRUNE Antibody (C-term) - 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) - 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)