

PRUNE Antibody (clone 1C11)
Mouse Monoclonal Antibody
Catalog # ALS14521

Specification

PRUNE Antibody (clone 1C11) - Product Information

Application	WB, IHC
Primary Accession	Q86TP1
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	50kDa KDa

PRUNE Antibody (clone 1C11) - Additional Information

Gene ID 58497

Other Names

Protein prune homolog, hPrune, 3.6.1.1, Drosophila-related expressed sequence 17, DRES-17, DRES17, HTcD37, PRUNE

Target/Specificity

Human PRUNE

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

PRUNE Antibody (clone 1C11) is for research use only and not for use in diagnostic or therapeutic procedures.

PRUNE Antibody (clone 1C11) - 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](http://www.uniprot.org/citations/28334956)). Involved in the regulation of microtubule polymerization (PubMed: [28334956](http://www.uniprot.org/citations/28334956)).

Cellular Location

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

Tissue Location

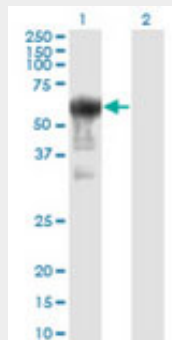
Ubiquitously expressed. Seems to be overexpressed in aggressive sarcoma subtypes, such as leiomyosarcomas and malignant fibrous histiocytomas (MFH) as well as in the less malignant liposarcomas.

PRUNE Antibody (clone 1C11) - Protocols

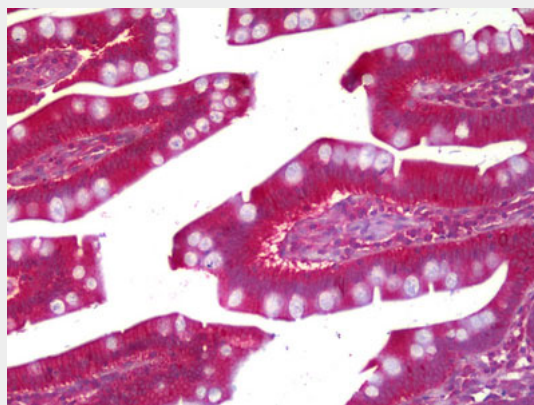
Provided below are standard protocols that you may find useful for product applications.

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

PRUNE Antibody (clone 1C11) - Images



Western blot of PRUNE expression in transfected 293T cell line by PRUNE monoclonal antibody,...



Anti-PRUNE antibody IHC of human small intestine.

PRUNE Antibody (clone 1C11) - Background

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

PRUNE Antibody (clone 1C11) - References

Reymond A., et al. Oncogene 18:7244-7252(1999).
Zollo M., et al. Submitted (JAN-1999) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Gregory S.G., et al. Nature 441:315-321(2006).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.