

PLS1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP13147b**Specification**

PLS1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q14651](#)**PLS1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 5357**Other Names**

Plastin-1, Intestine-specific plastin, I-plastin, PLS1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13147b was selected from the C-term region of PLS1. 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.

PLS1 Antibody (C-term) Blocking Peptide - Protein Information**Name** PLS1**Function**

Actin-bundling protein. In the inner ear, it is required for stereocilia formation. Mediates liquid packing of actin filaments that is necessary for stereocilia to grow to their proper dimensions.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q3V0K9}. Cell projection, stereocilium {ECO:0000250|UniProtKB:Q3V0K9}

Tissue Location

In small intestine, colon, and kidney; relatively lower levels of expression are detected in the lung and stomach

PLS1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PLS1 Antibody (C-term) Blocking Peptide - Images

PLS1 Antibody (C-term) Blocking Peptide - Background

Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. The protein encoded by this gene is a third distinct plastin isoform, which is specifically expressed at high levels in the small intestine. Alternatively spliced transcript variants varying in the 5' UTR, but encoding the same protein, have been found for this gene. A pseudogene of this gene is found on chromosome 11.

PLS1 Antibody (C-term) Blocking Peptide - References

Chafel, M.M., et al. Dev. Dyn. 203(2):141-151(1995) Lin, C.S., et al. Mol. Cell. Biol. 14(4):2457-2467(1994) Shibata, M., et al. J. Leukoc. Biol. 54(1):10-16(1993) Lin, C.S., et al. J. Biol. Chem. 268(4):2781-2792(1993) Zu, Y., et al. Biochemistry 29(4):1055-1062(1990)