

PPL Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14171b

Specification

PPL Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [O60437](#)

PPL Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 5493

Other Names

Periplakin, 190 kDa paraneoplastic pemphigus antigen, 195 kDa cornified envelope precursor protein, PPL, KIAA0568

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.

PPL Antibody (C-term) Blocking Peptide - Protein Information

Name PPL

Synonyms KIAA0568

Function

Component of the cornified envelope of keratinocytes. May link the cornified envelope to desmosomes and intermediate filaments. May act as a localization signal in PKB/AKT-mediated signaling.

Cellular Location

Cell junction, desmosome. Cytoplasm, cytoskeleton. Cell membrane
{ECO:0000250|UniProtKB:Q9R269}. Cytoplasm {ECO:0000250|UniProtKB:Q9R269}

Tissue Location

Expressed in stratified squamous epithelia and in some other epithelia.

PPL Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PPL Antibody (C-term) Blocking Peptide - Images

PPL Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene is a component of desmosomes and of the epidermal cornified envelope in keratinocytes. The N-terminal domain of this protein interacts with the plasma membrane and its C-terminus interacts with intermediate filaments. Through its rod domain, this protein forms complexes with envoplakin. This protein may serve as a link between the cornified envelope and desmosomes as well as intermediate filaments. AKT1/PKB, a protein kinase mediating a variety of cell growth and survival signaling processes, is reported to interact with this protein, suggesting a possible role for this protein as a localization signal in AKT1-mediated signaling. [provided by RefSeq].

PPL Antibody (C-term) Blocking Peptide - References

Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010)
:Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Pyle, A.L., et al. Cardiovasc. Pathol. 19 (2), E13-E20 (2010) :Huang, Y., et al. Arch. Dermatol. Res. 301(10):703-709(2009) Boczonadi, V., et al. Exp. Cell Res. 313(16):3579-3591(2007)