

CLPB Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9613b**Specification**

CLPB Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9H078](#)**CLPB Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 81570**Other Names**

Caseinolytic peptidase B protein homolog, Suppressor of potassium transport defect 3, CLPB, HSP78, SKD3

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.

CLPB Antibody (C-term) Blocking Peptide - Protein Information**Name** CLPB ([HGNC:30664](#))**Synonyms** SKD3**Function**

Functions as a regulatory ATPase and participates in secretion/protein trafficking process. Has ATP-dependent protein disaggregase activity and is required to maintain the solubility of key mitochondrial proteins (PubMed:32573439, PubMed:34115842, PubMed:35247700, PubMed:36170828, PubMed:36745679). Involved in mitochondrial-mediated antiviral innate immunity, activates RIG-I- mediated signal transduction and production of IFNB1 and pro- inflammatory cytokine IL6 (PubMed:31522117). Plays a role in granulocyte differentiation (PubMed:34115842).

Cellular Location

Mitochondrion intermembrane space

Tissue Location

Widely expressed (at protein level) (PubMed:25597511). Expressed in fetal, as well as in adult tissues, with highest levels in adult brain, including thalamus, hippocampus, occipital cortex and parietal cortex. Low expression in granulocytes (PubMed:25597510).

CLPB Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

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

CLPB may function as a regulatory ATPase and be related to secretion/protein trafficking process.

CLPB Antibody (C-term) Blocking Peptide - References

Acebron, S.P., et al. FEBS Lett. 583(18):2991-2996(2009) Sowa, M.E., et al. Cell 138(2):389-403(2009) Haslberger, T., et al. Nat. Struct. Mol. Biol. 15(6):641-650(2008)