

CLPB Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2574a**Specification**

CLPB Antibody (C-Term) - Product Information

Application	E
Primary Accession	O9H078
Other Accession	NP_110440.1 , 81570
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	78729

CLPB Antibody (C-Term) - Additional Information**Gene ID** 81570**Other Names**

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

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

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

CLPB Antibody (C-Term) - 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) - 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](#)

CLPB Antibody (C-Term) - Images

CLPB Antibody (C-Term) - References

Hsp104-dependent remodeling of prion complexes mediates protein-only inheritance.
Satpute-Krishnan P, Langseth SX, Serio TR. PLoS Biol. 2007 Jan;5(2):e24. PMID: 17253904