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CLPB Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2574a

Specification

CLPB Antibody (C-Term) - Product Information

Application	**E**
Primary Accession	Q9H078
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

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:<a href="http://www.uniprot.org/citations/35247700"

target="_blank">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 Cytomety
- 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