

Rabbit anti-Human CLPB Polyclonal Antibody | anti-CLPB antibody

CLPB Antibody (C-term)

CATALOG # AAA289906	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

CLPB; Polyclonal Antibody; CLPB Antibody (C-term); Caseinolytic peptidase B protein homolog; Suppressor of potassium transport defect 3; HSP78; SKD3; anti-CLPB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CLPB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 673-702 amino acids from the C-terminal region of human CLPB.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	673-702
Sequence Length	506
Applicable Applications for anti-CLPB antibody	ELISA, WB (Western Blot)
Function	May function as a regulatory ATPase and be related to secretion/protein trafficking process. Involved in mitochondrial- mediated antiviral innate immunity, activates RIG-I-mediated signal transduction and production of IFNB1 and pro-inflammatory cytokine IL6 (PubMed:31522117).
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).
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of CLPB Antibody (C-term) in T47D cell line lysates (35ug/lane). CLPB (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CLPB antibody	CLPB may function as a regulatory ATPase and be related to secretion/protein trafficking process.
Product Categories/Family for anti-CLPB antibody	Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	385719194
NCBI GeneID	81570
NCBI Accession #	NP_001245321.1; NP_001245322.1; NP_001245323.1; NP_110440.1
NCBI GenBank Nucleotide #	NM_001258392.2
UniProt Accession #	Q9H078; Q8ND11; Q9H8Y0; B4DXJ7; B4DXP7; B4DXW4; E7EWN6; F8W7P6
Molecular Weight	78729
NCBI Official Full Name	caseinolytic peptidase B protein homolog isoform 2
NCBI Official Synonym Full Names	ClpB homolog, mitochondrial AAA ATPase chaperonin
NCBI Official Symbol	CLPB
NCBI Official Synonym Symbols	SKD3; HSP78; MGCA7; ANKCLB; MEGCANN
NCBI Protein Information	caseinolytic peptidase B protein homolog
UniProt Protein Name	Caseinolytic peptidase B protein homolog
UniProt Gene Name	CLPB
UniProt Synonym Gene Names	HSP78; SKD3
UniProt Entry Name	CLPB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/clpb-antibody-western-blot-elisa/289906>