

Rabbit CLPB Polyclonal Antibody | anti-CLPB antibody

CLPB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329061	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(88%), Dog(100%)	ELISA

PRODUCT SYNONYMS

CLPB; Polyclonal Antibody; CLPB Antibody; Caseinolytic peptidase B; Caseinolytic peptidase B protein homolog; clpB; ClpB caseinolytic peptidase B homolog (E. coli); ClpB caseinolytic peptidase B homolog; CLPB_HUMAN; FLJ13152; HSP78; SKD3; Suppressor of potassium transport defect 3; anti-CLPB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(88%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	CLPB Antibody detects endogenous levels of total CLPB.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	677
Applicable Applications for anti-CLPB antibody	ELISA
Immunogen	A synthesized peptide derived from human CLPB, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA329061 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA329061 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



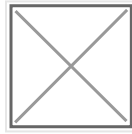
IHC (Immunohistochemistry)

AAA329061 at 1/100 staining Rat spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA329061 at 1/100 staining Rat pancreatic tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from C6 cells, using CLPB Antibody. The lane on the left was treated with blocking peptide. Observed bands: 70 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CLPB antibody

Function: May function as a regulatory ATPase and be related to secretion/protein trafficking process.

Subcellular Location: Mitochondrion.

Tissue Specificity: 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).

Similarity: Belongs to the ClpA/ClpB family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	385719194
NCBI GeneID	81570
NCBI Accession #	NP_001245321.1
NCBI GenBank Nucleotide #	NP_001245321.1
UniProt Accession #	Q9H078
Molecular Weight	Observed Molecular Weight: (Observed)78kD, 70kD. Predicted Molecular Weight: (Calculated)79kDa.
NCBI Official Full Name	caseinolytic peptidase B protein homolog isoform 2
NCBI Official Synonym Full Names	caseinolytic mitochondrial matrix peptidase chaperone subunit B
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/clpb-antibody-elisa/329061>