

CLPX recombinant antibody

Recombinant Anti-CLPX Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA266317	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

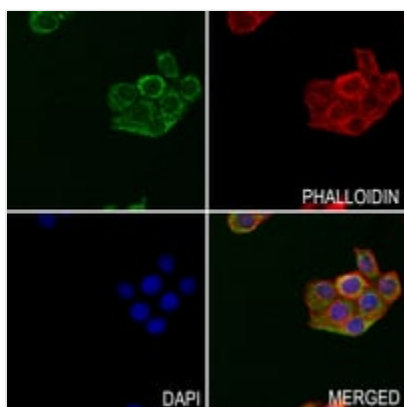
PRODUCT SYNONYMS

CLPX; Monoclonal Recombinant Antibody; Recombinant Anti-CLPX Rabbit mAb; ATP-dependent Clp protease ATP-binding subunit clpX-like; mitochondrial; CLPX recombinant antibody

PRODUCT SPECIFICATIONS

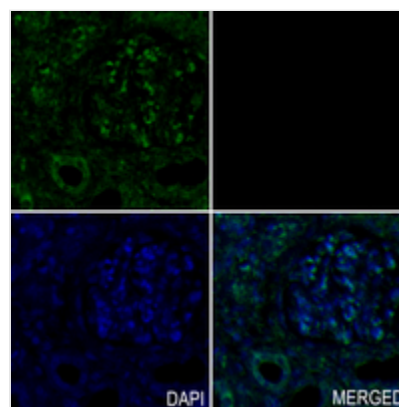
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of CLPX protein
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in PBS, pH7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Applicable Applications for CLPX recombinant antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human CLPX. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



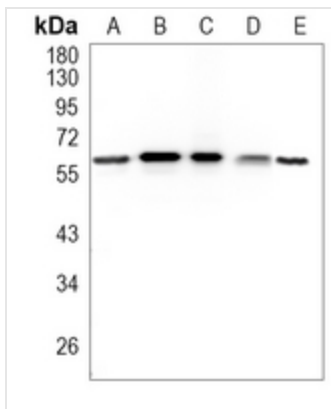
IF (Immunofluorescence)

Immunofluorescent analysis of CLPX staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of CLPX staining in human kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. Tyramide-AF488 (green) was used as the chromogen. The section was then counterstained with DAPI (blue).



WB (Western Blot)

Western blot analysis of CLPX expression in HEK293T (A), A549 (B), K562 (C), mouse liver (D), rat liver (E) whole cell lysates. (Predicted band size: 69 kD; Observed band size: 60 kD)

ADDITIONAL INFORMATION

Related Product Information for CLPX recombinant antibody	Recombinant rabbit monoclonal antibody to CLPX
Product Categories/Family for CLPX recombinant antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	7242140
NCBI GeneID	10845
NCBI Accession #	NP_006651.2
NCBI GenBank Nucleotide #	NM_006660.3
UniProt Accession #	O76031; Q9JHS4; Q5U2U0
Molecular Weight	69,224 Da
NCBI Official Full Name	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial
NCBI Official Synonym Full Names	caseinolytic mitochondrial matrix peptidase chaperone subunit
NCBI Official Symbol	CLPX
NCBI Protein Information	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial; ClpX caseinolytic protease X homolog; ClpX caseinolytic peptidase X homolog; energy-dependent regulator of proteolysis
UniProt Protein Name	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial
UniProt Gene Name	CLPX
UniProt Entry Name	CLPX_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/monoclonal/clpx-recombinant-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/266317>