Mouse CLPP Monoclonal Antibody | anti-CLPP antibody

CLPP antibody

CATALOG #	HOST	APPLICATIONS
AAA74897	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CLPP; Monoclonal Antibody; CLPP antibody; Monoclonal CLPP; Anti-CLPP; Putative ATP-dependent Clp protease proteolytic subunit mitochondrial; Endopeptidase Clp; ClpP caseinolytic protease; anti-CLPP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1F6
Purity/Purification	CLPP antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	277
Applicable Applications for anti-CLPP antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	CLPP belongs to the peptidase family S14. CLPP cleaves peptides in various proteins in a process that requires ATP hydrolysis. CLPP, the catalytic core of the Clp proteolytic complex, is widely involved in many cellular processes via the regulation of intracellular protein quality. CLPP may be responsible for a fairly general and central housekeeping function rather than for the degradation of specific substrates.
Cross-Reactivity	Human, Dog, Rat, Monkey
Immunogen	CLPP antibody was raised in mouse using a full length recombinant protein of human CLPP (NP_006003) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant CLPP protein using CLPP antibody

IHC (Immunohiostchemistry)
Immunohistochemical analysis of CLPP protein in paraffin embedded Human Kidney tissue using CLPP antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant CLPP protein (Right) or empty vector (Left) detected with CLPP antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CLPP antibody	Mouse monoclonal CLPP antibody
Product Categories/Family for anti-CLPP antibody	Nutrition & Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174419
NCBI GeneID	8192
NCBI Accession #	NP_006003
NCBI GenBank Nucleotide #	NM_006012.2
UniProt Accession #	Q16740; B2R4W5
Molecular Weight	30,180 Da
NCBI Official Full Name	ATP-dependent Clp protease proteolytic subunit, mitochondrial
NCBI Official Synonym Full Names	caseinolytic mitochondrial matrix peptidase proteolytic subunit
NCBI Official Symbol	CLPP
NCBI Official Synonym Symbols	DFNB81; PRLTS3
NCBI Protein Information	ATP-dependent Clp protease proteolytic subunit, mitochondrial
UniProt Protein Name	ATP-dependent Clp protease proteolytic subunit, mitochondrial
UniProt Gene Name	**CLPP**
UniProt Entry Name	CLPP_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/clpp-antibody-clone-1f6-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/74897