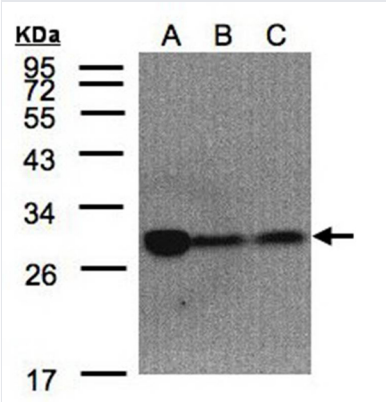
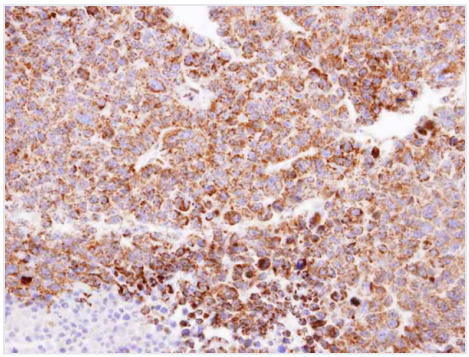
ClpP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ClpP, Polyclonal Antibody
Full Product Name	ClpP antibody
Product Gene Name	anti-ClpP antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Purified by antigen-affinity chromatography.
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.
Molecular Weight	30,180 Da
OMIM	601119
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide contain a sequence corresponding to a region within amino acids 215 and 277 of Human CLPP
Target Name	ClpP
Product Categories/Family for anti-ClpP antibody	Total protein Ab
Applications Tested/Suitable for anti-ClpP antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-ClpP antibody	Western blotting: 1:500-1:3000 Immunohistochemistry: 1:100-1:250
Related Product Information for anti-ClpP antibody	The protein encoded by this gene belongs to the peptidase family S14 and hydrolyzes proteins into small peptides in the presence of ATP and magnesium. The protein is transported into mitochondrial matrix and is associated with the inner mitochondrial membrane. [provided by RefSeq]
Other Notes	Small volumes of anti-ClpP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ClpP purchase	MBS9405009 is an antibody targeting ClpP. Also known as ClpP antibody. Reactive in Human. Host: Rabbit.



Testing Data of anti-ClpP antibody
Sample(30 ug of whole cell lysate)A: 293TB: A431 C: H129910% SDS PAGEPrimary antibody diluted at 1: 1500



Immunohistochemistry (IHC) of anti-ClpP antibody
Immunohistochemical analysis of paraffin-embedded H520 xenograft, using CLPP antibody at 1: 100 dilution.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ClpP. It may not necessarily be applicable to this product.

NCBI GI #	5174419
NCBI GeneID	8192
NCBI Accession #	NP_006003
UniProt Secondary Accession #	B2R4W5
UniProt Related Accession #	Q16740
GenBank Nucleotide #	NM_006012.2
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
UniProt Protein Name	ATP-dependent Clp protease proteolytic subunit, mitochondrial
UniProt Synonym Protein Names	Endopeptidase Clp
Protein Family	ATP-dependent Clp protease proteolytic
UniProt Gene Name	CLPP
UniProt Entry Name	CLPP_HUMAN
NCBI Protein Information	ATP-dependent Clp protease proteolytic subunit, mitochondrial

UniProt Comments for ClpP	CLPP: Clp cleaves peptides in various proteins in a process that requires ATP hydrolysis. Clp may be responsible for a fairly general and central housekeeping function rather than for the degradation of specific substrates. Belongs to the peptidase S14 family. Protein type: EC 3.4.21.92; Mitochondrial; Protease Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: mitochondrion; mitochondrial matrix Molecular Function: peptidase activity; identical protein binding; protein binding; serine-type endopeptidase activity Biological Process: proteolysis involved in cellular protein catabolic process; protein homooligomerization Disease: Perrault Syndrome 3
Research Articles on ClpP	**1.** Optical trapping to assay single-molecule ClpXP unfolding and translocation of substrates consisting of domains with varying stabilities and sequences; find that ClpXP unfolds most domains by a single pathway, with kinetics that depend on the native fold and structural stability.
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