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CLPP Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CLPP.
Catalog # AT1562a

Product Information

Application	WB, IHC, E
Primary Accession	Q16740
Other Accession	NM_006012
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3E3
Calculated MW	30180

Additional Information

Gene ID	8192
Other Names	ATP-dependent Clp protease proteolytic subunit, mitochondrial, Endopeptidase Clp, CLPP
Target/Specificity	CLPP (NP_006003, 178 a.a. ~ 277 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CLPP Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

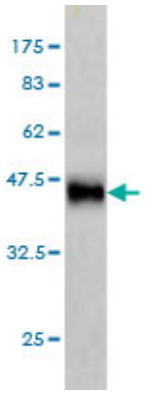
Background

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.

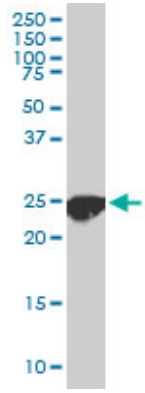
References

1.Diphenylarsinic acid promotes degradation of glutaminase C by mitochondrial Lon protease.Kita K, Suzuki T, Ochi T.J Biol Chem. 2012 Apr 5. [Epub ahead of print]

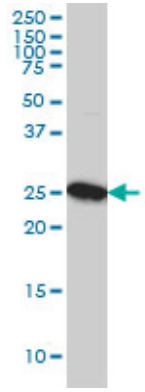
Images



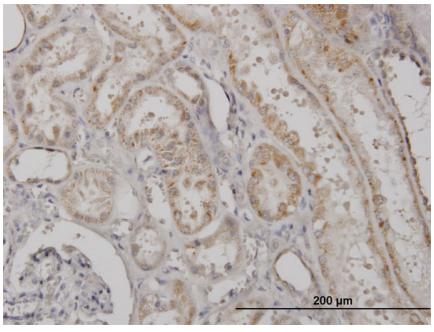
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



CLPP monoclonal antibody (M01), clone 3E2. Western Blot analysis of CLPP expression in PC-12 ((Cat # AT1562a)

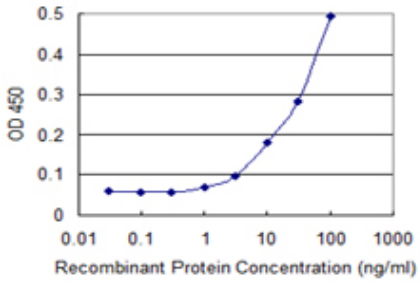


CLPP monoclonal antibody (M01), clone 3E2 Western Blot analysis of CLPP expression in A-431 ((Cat # AT1562a)



Immunoperoxidase of monoclonal antibody to CLPP on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1 ug/ml]

Detection limit for recombinant GST tagged CLPP is 1 ng/ml as a capture antibody.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.