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CTNS Antibody (monoclonal) (M09)

Mouse monoclonal antibody raised against a partial recombinant CTNS.
Catalog # AT1679a

Product Information

Application	WB, E
Primary Accession	O60931
Other Accession	NM_004937
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5G6
Calculated MW	41738

Additional Information

Gene ID	1497
Other Names	Cystinosin, CTNS
Target/Specificity	CTNS (NP_004928, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	CTNS Antibody (monoclonal) (M09) is for research use only and not for use in diagnostic or therapeutic procedures.

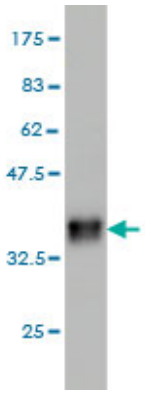
Background

This gene encodes a seven-transmembrane domain protein that functions to transport cystine out of lysosomes. Its activity is driven by the H+ electrochemical gradient of the lysosomal membrane. Mutations in this gene cause cystinosis, a lysosomal storage disorder. Alternative splicing results in multiple transcript variants.

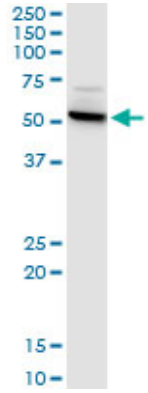
References

1.Modulation of CTNS Gene Expression By Intracellular Thiols.Bellomo F, Corallini S, Pastore A, Palma A, Laurenzi C, Emma F, Taranta A.Free Radic Biol Med. 2010 Jan 14. [Epub ahead of print]

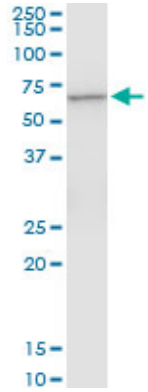
Images



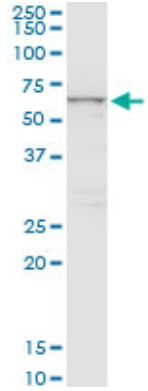
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



CTNS monoclonal antibody (M09), clone 5G6. Western Blot analysis of CTNS expression in human liver.

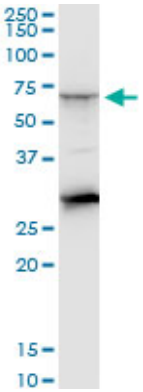


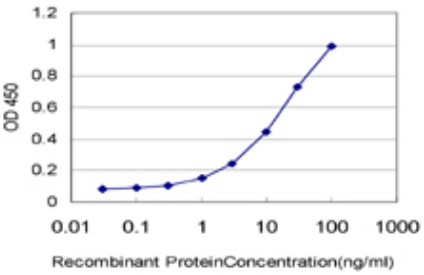
CTNS monoclonal antibody (M09), clone 5G6. Western Blot analysis of CTNS expression in PC-12.



CTNS monoclonal antibody (M09), clone 5G6. Western Blot analysis of CTNS expression in HepG2.

CTNS monoclonal antibody (M09), clone 5G6. Western Blot analysis of CTNS expression in Raw 264.7.





Detection limit for recombinant GST tagged CTNS is approximately 0.3ng/ml as a capture antibody.

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