



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CTNS monoclonal antibody (M09), clone 5G6

Catalog # : H00001497-M09

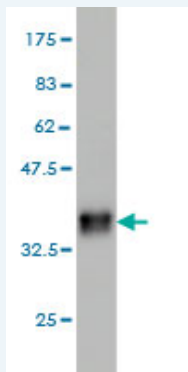
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant CTNS.
Immunogen:	CTNS (NP_004928, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MIRNWLTIILFPLKLVKCESSVSLTVPPVVKLENGSSTNVSLTLRPPLNATLVITFEITFRSKNITILELPDEVVPPGVTNSSFQVTSQNVGQLTVY
Host:	Mouse
Reactivity:	Human, Mouse, Rat
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Publication Reference

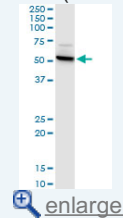
- [Cystine accumulation attenuates insulin release from the pancreatic beta-cell due to elevated oxidative stress and decreased ATP levels.](#)
McEvoy B, Sumayao R, Slattery C, McMorro T, Newsholme P.J Physiol. 2015 Oct 20.
- [Modulation of CTNS Gene Expression By Intracellular Thiols.](#)
Bellomo F, Corallini S, Pastore A, Palma A, Laurenzi C, Emma F, Taranta A. Free Radic Biol Med. 2010 Jan 14. [Epub ahead of print]

Applications

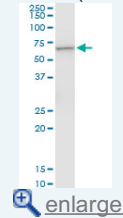
Western Blot (Tissue lysate)

Application Image

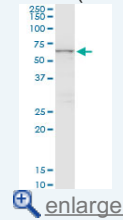
Western Blot (Tissue lysate)



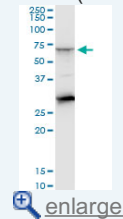
Western Blot (Cell lysate)



Western Blot (Cell lysate)

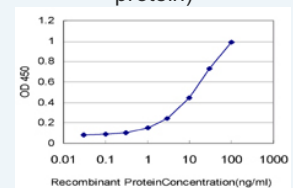


Western Blot (Cell lysate)

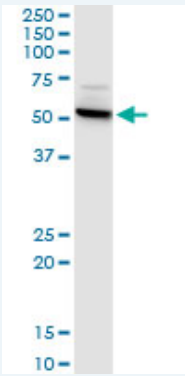


Western Blot (Recombinant protein)


Sandwich ELISA (Recombinant protein)



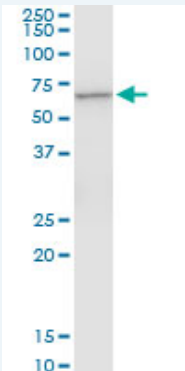
ELISA



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

 [Protocol Download](#)

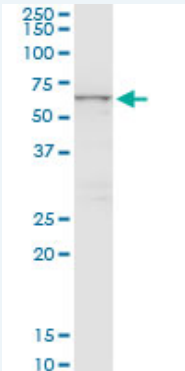
Western Blot (Cell lysate)



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

 [Protocol Download](#)

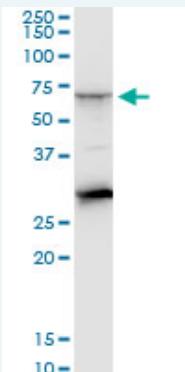
Western Blot (Cell lysate)




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

 [Protocol Download](#)

Western Blot (Cell lysate)



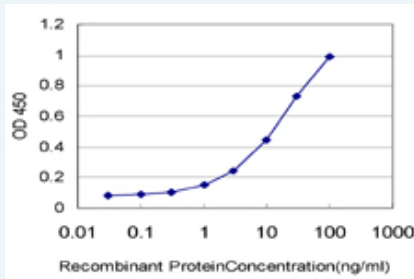
CTNS monoclonal antibody (M09), clone 5G6. Western Blot analysis of CTNS expression in Raw 264.7.

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



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

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [1497](#)

GeneBank [NM_004937](#)
Accession#:

Protein [NP_004928](#)
Accession#:

Gene Name: CTNS

Gene Alias: CTNS-LSB,PQLC4

Gene Description: cystinosis, nephropathic

Omim ID: [219750](#), [219800](#), [219900](#), [606272](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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. [provided by RefSeq]

Other Designations: -

Gene Pathway

[Lysosome](#)

Related Disease

[Hypertension](#)