

Product Datasheet

CTNS Antibody (5G6) - Azide and BSA Free H00001497-M09

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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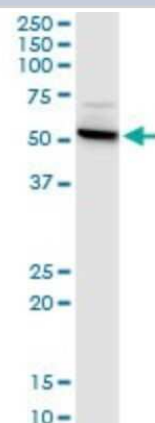
H00001497-M09

CTNS Antibody (5G6) - Azide and BSA Free

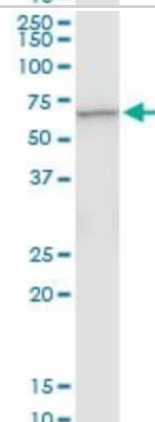
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5G6
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	1497
Gene Symbol	CTNS
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	CTNS - cystinosis, nephropathic
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. MIRNWLTIIFLPLKLVEKCESSVSLTVPPVVKLENGSSTNVSLTLRPPLNATLVIT FEITFRSKNITILELPDEVVPPGVTNSSFQVTSQNVGQLTVY
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500, ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

Images

Western Blot: CTNS Antibody (5G6) [H00001497-M09] - Analysis of CTNS expression in human liver.



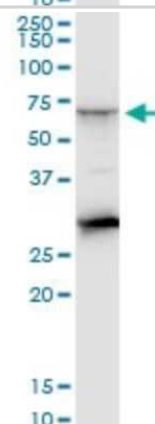
Western Blot: CTNS Antibody (5G6) [H00001497-M09] - Analysis of CTNS expression in PC-12.



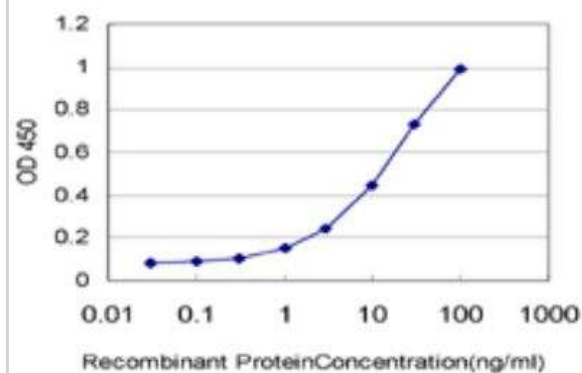
Western Blot: CTNS Antibody (5G6) [H00001497-M09] - Analysis of CTNS expression in HepG2.



Western Blot: CTNS Antibody (5G6) [H00001497-M09] - Analysis of CTNS expression in Raw 264.7.



ELISA: CTNS Antibody (5G6) [H00001497-M09] - Detection limit for recombinant GST tagged CTNS is approximately 0.3ng/ml as a capture antibody.



Publications

Brasell EJ, Chu L, El Kares R et al. The aminoglycoside geneticin permits translational readthrough of the CTNS W138X nonsense mutation in fibroblasts from patients with nephropathic cystinosis. *Pediatr Nephrol.* 2018-11-09 [PMID: 30413946]

McEvoy B, Sumayao R, Slattery C et al. Cystine accumulation attenuates insulin release from the pancreatic beta-cell due to elevated oxidative stress and decreased ATP levels. *J Physiol.* 2015-10-20 [PMID: 26482480]

Bellomo F, Corallini S, Pastore A et al. Modulation of CTNS gene expression by intracellular thiols. *Free Radic Biol Med*;48(7):865-72. 2010-04-01 [PMID: 20079424]





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Limitations

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