

Mouse Cystinosin Monoclonal Antibody | anti-CTNS antibody

Cystinosin (CTNS) (Biotin)

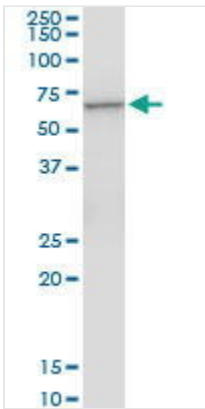
CATALOG # AAA24774	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

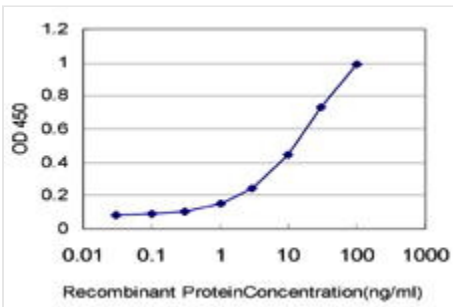
Cystinosin; Monoclonal Antibody; Cystinosin (CTNS) (Biotin); anti-CTNS antibody

PRODUCT SPECIFICATIONS

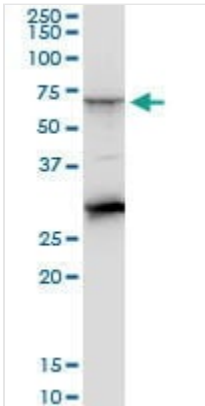
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	5G6
Specificity	Recognizes human Cystinosin. Species Crossreactivity: mouse, rat
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Sequence Length	367
Applicable Applications for anti-CTNS antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant protein corresponding to aa1-100 of human Cystinosin with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MIRNWL TIFL FPLKLVEKCESSVSLTVPPVVKLENGSSTNVSLTLRPPLNATLVITFEITFRSKNITILELPDEVVPPGVTNSSFQVTSQNVGQLTVY
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



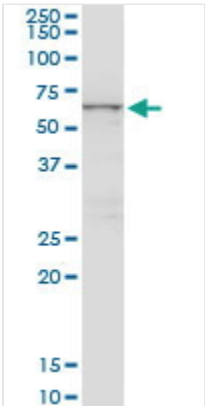
WB (Western Blot)
Western Blot analysis of CTNS expression in PC-12



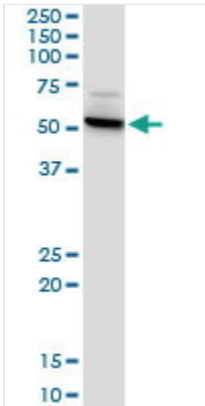
WB (Western Blot)
Western Blot detection against immunogen using (36.74kD).



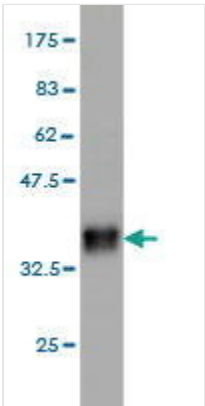
WB (Western Blot)
Western Blot analysis of CTNS expression in Raw 264.7



WB (Western Blot)
Western Blot analysis of CTNS expression in HepG2



WB (Western Blot)
Western Blot analysis of CTNS expression in human liver



Application Data
Detection limit is ~0.3ng/ml using as a capture antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CTNS antibody	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.
Product Categories/Family for anti-CTNS antibody	Antibodies; Transport Proteins
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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119943110
NCBI GeneID	1497
NCBI Accession #	NP_004928
NCBI GenBank Nucleotide #	NM_004937
UniProt Accession #	O60931
NCBI Official Full Name	cystinosin isoform 2
NCBI Official Synonym Full Names	cystinosin, lysosomal cystine transporter
NCBI Official Symbol	CTNS
NCBI Official Synonym Symbols	PQLC4; SLC66A4; CTNS-LSB
NCBI Protein Information	cystinosin
UniProt Protein Name	Cystinosin
UniProt Gene Name	CTNS
UniProt Entry Name	CTNS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cystinosin-antibody-clone-5g6-western-blot-elisa/24774>