

Mouse Cystinosin Monoclonal Antibody | anti-Ctns antibody

Cystinosin (CTNS)

CATALOG # AAA14800	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

Cystinosin; Monoclonal Antibody; Cystinosin (CTNS); Anti -Cystinosin (CTNS); anti-Ctns antibody

PRODUCT SPECIFICATIONS

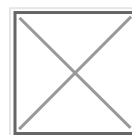
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	5G6
Specificity	Recognizes human CTNS. Species Crossreactivity: mouse and rat.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Sequence	MIRNWLTFI LFPLKLVEKC ESSVSLTVPP VVKLENGSST NVSLTLRPPL NATLVITFEI TFRSKNITIL ELPDEVVPP GVTNSSFQVT SQNVGQLTVY
Applicable Applications for anti-Ctns antibody	ELISA, WB (Western Blot)
Application Notes	Suitable for use in ELISA and Western Blot.
Immunogen	Partial recombinant corresponding to aa1-100 from human CTNS (NP_004928) with GST tag. MW of the GST tag alone is 26kD.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



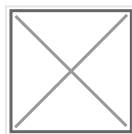
WB (Western Blot)

Western Blot analysis of CTNS expression in PC-12 using AAA14800.



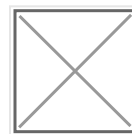
WB (Western Blot)

Western Blot detection against immunogen using AAA14800 (36.74kD).



WB (Western Blot)

Western Blot analysis of CTNS expression in Raw 264.7 using AAA14800.

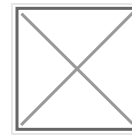


WB (Western Blot)

Western Blot analysis of CTNS expression in HepG2 using AAA14800 .

**WB (Western Blot)**

Western Blot analysis of CTNS expression in human liver using AAA14800.

**Application Data**

Detection limit is ~0.3ng/ml using AAA14800 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 ; Abs to Transport Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	13752577
NCBI GeneID	83429
NCBI Accession #	NP_112541.1
NCBI GenBank Nucleotide #	NM_031251.4
UniProt Accession #	P57757
Molecular Weight	42,203 Da
NCBI Official Full Name	cystinosin
NCBI Official Synonym Full Names	cystinosis, nephropathic
NCBI Official Symbol	Ctns
NCBI Official Synonym Symbols	AI195360; AW049661
NCBI Protein Information	cystinosin
UniProt Protein Name	Cystinosin
UniProt Gene Name	Ctns
UniProt Entry Name	CTNS_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cystinosin-antibody-clone-5g6-western-blot-elisa/14800>