CSAD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CSAD, Polyclonal Antibody
Full Product Name	CSAD Polyclonal Conjugated Antibody
Product Gene Name	anti-CSAD antibody
Product Synonym Names	CSAD Conjugated Antibody; CSAD; CSD; PCAP; cysteine sulfinic acid decarboxylase
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Purity/Purification	Affinity purification
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	55kDa
3D Structure	ModBase 3D Structure for Q9Y600
Immunogen	Recombinant fusion protein of human CSAD (NP_057073.4).
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-CSAD antibody	Most Applications
Application Notes for anti-CSAD antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-CSAD antibody	This gene encodes a member of the group 2 decarboxylase family. A similar protein in rodents plays a role in multiple biological processes as the rate-limiting enzyme in taurine biosynthesis, catalyzing the decarboxylation of cysteinesulfinate to hypotaurine. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Other Notes	Small volumes of anti-CSAD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CSAD purchase	MBS9439977 is an antibody targeting CSAD. Also known as CSAD Polyclonal Conjugated Antibody. Reactive in Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CSAD. It may not necessarily be applicable to this product.

NCBI GI #	194294551
NCBI GeneID	51380
NCBI Accession #	NP_057073.4
UniProt Primary Accession #	Q9Y600
UniProt Related Accession #	Q9Y600
GenBank Nucleotide #	NP_057073.4
NCBI Official Full Name	cysteine sulfinic acid decarboxylase isoform 1
NCBI Official Synonym Full Names	cysteine sulfinic acid decarboxylase
NCBI Official Symbol	CSAD
NCBI Official Synonym Symbols	CSD; PCAP
UniProt Protein Name	Cysteine sulfinic acid decarboxylase
UniProt Synonym Protein Names	Cysteine-sulfinate decarboxylase; Sulfinoalanine decarboxylase
Protein Family	Cysteine sulfinic acid decarboxylase
UniProt Gene Name	CSAD
UniProt Synonym Gene Names	CSD
UniProt Entry Name	CSAD_HUMAN
NCBI Protein Information	cysteine sulfinic acid decarboxylase
Research Articles on CSAD	**1.** taurine biosynthesis in vertebrates involves two structurally related PLP-dependent decarboxylases (cysteine sulfinic acid decarboxylase and glutamic acid decarboxylase like 1)
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