Casein Alpha (CSN1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Casein Alpha (CSN1), Polyclonal Antibody
Full Product Name	APC-Cy7 Linked Polyclonal Antibody to Casein Alpha (CSN1)
Product Gene Name	anti-CSN1 antibody
Product Synonym Names	CASa; CSN1; CSN1S1; Casein Alpha S1; Caseinate; Caseine/caséine/Kasein/caseína; Alpha-S1-casein; Casoxin-D
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	>=100ug/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against CSN1. It has been selected for its ability to recognize CSN1 in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months. Avoid repeated freeze/thaw cycles. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: CSN1 (MBS2112500) APC-CY7 Conjugated Antibody: CSN1 (MBS2117760)
Molecular Weight	35,602 Da
3D Structure	ModBase 3D Structure for P19228
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Cross Reactivity	Mouse
Conjugation	APC-Cy7
Product Categories/Family for anti-CSN1 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-CSN1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Related Product Information for anti-CSN1 antibody	MBS2117760 is an antibody targeting CSN1. Also known as APC-Cy7 Linked Polyclonal Antibody to Casein Alpha (CSN1). Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-CSN1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CSN1. It may not necessarily be applicable to this product.

NCBI GI #	553727135
NCBI GeneID	12990
NCBI Accession #	NP_001272944.1
UniProt Primary Accession #	P19228
UniProt Related Accession #	P19228
GenBank Nucleotide #	NM_001286015.1
NCBI Official Full Name	alpha-S1-casein isoform b
NCBI Official Synonym Full Names	casein alpha s1
NCBI Official Symbol	Csn1s1
NCBI Official Synonym Symbols	Csna; AA959832; AW212882
UniProt Protein Name	Alpha-S1-casein
UniProt Gene Name	Csn1s1
UniProt Synonym Gene Names	Csn1; Csna; Alpha-casein
NCBI Protein Information	alpha-S1-casein
UniProt Comments for CSN1	CSN1S1: Important role in the capacity of milk to transport calcium phosphate. Heteromultimers of alpha-s1 casein and kappa-casein; disulfide-linked. Mammary gland specific. Secreted in milk. Belongs to the alpha-casein family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 5 E1|5 43.56 cM Cellular Component: extracellular region Molecular Function: transporter activity Biological Process: transport
Research Articles on CSN1	**1.** The role of the milk protein alpha-casein by inactivating the corresponding gene in mice, was analysed.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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