CAPRIN1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CAPRIN1, Polyclonal Antibody
Full Product Name	CAPRIN1 Antibody
Product Gene Name	anti-CAPRIN1 antibody
Product Synonym Names	M11S1; GPIAP1; RNG105; GPIP137; p137GPI
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total CAPRIN1 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	709
OMIM	601178
3D Structure	ModBase 3D Structure for Q14444
Immunogen	Fusion protein corresponding to residues near the C terminal of human cell cycle associated protein 1
Product Categories/Family for anti-CAPRIN1 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CAPRIN1 antibody	Western Blot (WB)
Application Notes for anti-CAPRIN1 antibody	WB: 1:200-1:1000
Related Product Information for anti-CAPRIN1 antibody	Caprin-1 is a protein that in humans is encoded by the CAPRIN1 gene. May regulate the transport and translation of mRNAs of proteins involved in synaptic plasticity in neurons and cell proliferation and migration in multiple cell types. May form homomultimers. Directly interacts with G3BP1 in cytoplasmic RNA granules. Binds directly and selectively to MYC and CCND2 RNAs. In neuronal cells, directly binds to several mRNAs associated with RNA granules, including BDNF, CAMK2A, CREB1, MAP2, NTRK2 mRNAs, as well as to GRIN1 and KPNB1 mRNAs, but not to rRNAs
Other Notes	Small volumes of anti-CAPRIN1 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 CAPRIN1 purchase	MBS8589577 is an antibody targeting CAPRIN1. Also known as CAPRIN1 Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CAPRIN1. It may not necessarily be applicable to this product.

NCBI GI #	182676426
NCBI GeneID	4076
NCBI Accession #	Q14444.2
UniProt Primary Accession #	Q14444
UniProt Secondary Accession #	Q15074; Q6IMN4; Q6IMN7; Q9BV09; A6NMY7; D3DR06
UniProt Related Accession #	Q14444
NCBI Official Full Name	Caprin-1
NCBI Official Synonym Full Names	cell cycle associated protein 1
NCBI Official Symbol	CAPRIN1
NCBI Official Synonym Symbols	M11S1; GPIAP1; RNG105; GPIP137; GRIP137; p137GPI
UniProt Protein Name	Caprin-1
UniProt Synonym Protein Names	Cell cycle-associated protein 1; Cytoplasmic activation- and proliferation-associated protein 1; GPI-anchored membrane protein 1; GPI-anchored protein p137; GPI-p137; p137GPI; Membrane component chromosome 11 surface marker 1; RNA granule protein 105
Protein Family	Caprin
UniProt Gene Name	CAPRIN1
UniProt Synonym Gene Names	GPIAP1; GPIP137; M11S1; RNG105; GPI-p137; p137GPI
UniProt Entry Name	CAPR1_HUMAN
NCBI Protein Information	caprin-1; GPI-p137; caprin 1; RNA granule protein 105; GPI-anchored protein p137; GPI-anchored membrane protein 1; cell cycle-associated protein 1; activation/proliferation-associated protein 1; membrane component chromosome 11 surface marker 1; membrane
UniProt Comments for CAPRIN1	CAPRIN1: May regulate the transport and translation of mRNAs of proteins involved in synaptic plasticity in neurons and cell proliferation and migration in multiple cell types. Belongs to the caprin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding; Cell surface Chromosomal Location of Human Ortholog: 11p13 Cellular Component: membrane; stress granule; integral to plasma membrane; cytoplasm; dendrite; cytosol Molecular Function: RNA binding Biological Process: negative regulation of translation; positive regulation of dendrite morphogenesis
Research Articles on CAPRIN1	**1.** Cyr61/Caprin-1 co-expression was associated with worse survival.
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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