



Anti-Caprin-1 Antibody

Alternative Names: M11S1, GPIAP1, RNG105, GPIP137, p137GPI, GPI-P137, Cell Cycle Associated Protein, GPI-Anchored Membrane Protein, Cytoplasmic Activation- And Proliferation-Associated Protein, Cytoplasmic Activation/Proliferation-Associated Protein, Membrane Component Chromosome 11 Surface Marker

Catalogue Number: AB19-10112-50ug

Size: 50 µg

Background Information

Cytoplasmic activation/proliferation-associated protein-1 (Caprin-1) is a ubiquitously expressed and highly conserved cytoplasmic phosphoprotein. It is an RNA-binding protein involved in the regulation of cell cycle control-associated genes, having the characteristic arginine-glycine-glycine (RGG) motif and RG enrichment region associated with RNA binding proteins, as well as two highly conserved regions, homologous region-1 and homologous region-2.

Caprin-1 levels (other than in the brain), are tightly correlated with cellular proliferation. In neurons it may specifically regulate the transport and translation of mRNAs for proteins involved in synaptic plasticity. Mutations in Caprin-1 have been linked to conditions such as amyotrophic lateral sclerosis (ALS), frontotemporal dementia (FTD) and autism spectrum disorder (ASD).

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse, Rat
Immunogen:	Full length recombinant human CAPRIN1		
Format:	50 µg in 50 µl PBS with 0.03% Proclin300, 50% glycerol, pH7.3.		
Storage Conditions:	Store at -20°C. Avoid freeze / thaw cycles.		
Applications:	WB - WB 1:200-1000.		

Additional Information

Subcellular location:	Cytosol, dendrite	MW:	78kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	4076	Uniprot ID:	Q14444