Product Name: SACS Rabbit Polyclonal Antibody
Catalog #: APRab17571

Summary

Production Name	SACS Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SACS KIAA0730
Alternative Names	
Gene ID	26278.0
SwissProt ID	Q9NZJ4.Synthesized peptide derived from human protein . at AA range: 4291-4340

Application

Dilution Ratio	IHC 1:50-300
Molecular Weight	503kD

Background

This gene encodes the sacsin protein, which includes a UbL domain at the N-terminus, a DnaJ domain, and a HEPN domain at the C-terminus. The gene is highly expressed in the central nervous system, also found in skin, skeletal muscles and at

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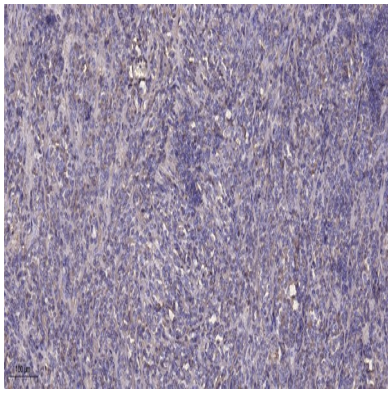
low levels in the pancreas. This gene includes a very large exon spanning more than 12.8 kb. Mutations in this gene result in autosomal recessive spastic ataxia of Charlevoix-Saguenay (ARSACS), a neurodegenerative disorder characterized by early-onset cerebellar ataxia with spasticity and peripheral neuropathy. The authors of a publication on the effects of siRNA-mediated sacsin knockdown concluded that sacsin protects against mutant ataxin-1 and suggest that "the large multi-domain sacsin protein is able to recruit Hsp70 chaperone action and has the potential to regulate the effects of other ataxia proteins" (Parfitt et al., PubMed: 19208651).disease:Defects in SACS are the cause of autosomal recessive spastic ataxia of Charlevoix-Saguenay (ARSACS) [MIM:270550]. ARSACS is an early onset neurodegenerative disease with high prevalence in the Charlevoix-Saguenay-Lac-Saint-Jean region of Quebec. It is characterized by absent sensory-nerve conduction, reduced motor-nerve velocity and hypermyelination of retinal-nerve fibers.,function:May function in chaperone-mediated protein folding.,similarity:Contains 1 HEPN domain.,similarity:Contains 1 J domain.,tissue specificity:Highly expressed in the central nervous system. Also found in skeletal muscle and at low levels in pancreas.,

Research Area

Image Data



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200（4° overnight）. 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200（room temperature, 45min）.

Note

For research use only.