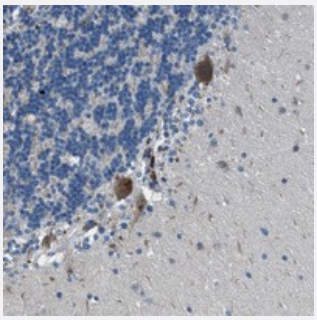
ABCG5 polyclonal antibody

Catalog # PAB20881 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human cerebellum with ABCG5 polyclonal antibody (Cat # PAB20881) shows strong cytoplasmic positivity in purkinje cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant ABCG5.
Immunogen	Recombinant protein corresponding to amino acids of human ABCG5.
Sequence	IHQPRSELFQLFDKIAILSFGELIFCGTPAEMLDFFNDCGYPCPEHSNPFDFYMDLTSVDTQSKER EIETSKRVQMIESAYKKSAICHKTLKNIERMKHLKTLPMVPFKTKDSPGVFSKLGVLL
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:200-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — ABCG5

Entrez GeneID	64240
Protein Accession#	Q9H222
Gene Name	ABCG5
Gene Alias	STSL
Gene Description	ATP-binding cassette, sub-family G (WHITE), member 5
Omim ID	210250 605459
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membrane s. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the White subfamily. The protein encoded by this gen e functions as a half-transporter to limit intestinal absorption and promote biliary excretion of stero ls. It is expressed in a tissue-specific manner in the liver, colon, and intestine. This gene is tandem ly arrayed on chromosome 2, in a head-to-head orientation with family member ABCG8. Mutation s in this gene may contribute to sterol accumulation and atheroschlerosis, and have been observe d in patients with sitosterolemia. [provided by RefSeq
Other Designations	ATP-binding cassette sub-family G member 5|ATP-binding cassette, subfamily G, member 5|OTT HUMP00000158956|sterolin 1

Pathway

- ABC transporters

Disease

- Alzheimer disease
- Atherosclerosis
- Cardiovascular Diseases
- Coronary Artery Disease
- Coronary Disease
- Diabetes Mellitus
- Diseases in Twins
- Drug Toxicity
- Edema
- Gallstones
- Genetic Predisposition to Disease
- Hypercholesterolemia
- Hyperlipidemias
- Insulin Resistance
- Kidney Failure
- Weight Loss