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ACSBG1 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14569

Product Information

Application	WB
Primary Accession	Q96GR2
Other Accession	NM_015162, NP_055977
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81290

Additional Information

Gene ID	23205
Alias Symbol	BG, BG1, BGM, GR-LACS, LPD
Other Names	Long-chain-fatty-acid--CoA ligase ACSBG1, 6.2.1.3, Acyl-CoA synthetase bubblegum family member 1, hBG1, hsBG, hsBGM, Lipidosin, ACSBG1, BGM, KIAA0631, LPD
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-ACSBG1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	ACSBG1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ACSBG1 (HGNC:29567)
Synonyms	BGM, KIAA0631, LPD
Function	Catalyzes the conversion of fatty acids such as long-chain and very long-chain fatty acids to their active form acyl-CoAs for both synthesis of cellular lipids, and degradation via beta-oxidation (PubMed:10954726, PubMed:12975357, PubMed:24269233). Can activate diverse saturated, monosaturated and polyunsaturated fatty acids (PubMed:10954726).
Cellular Location	Cytoplasm. Cytoplasmic vesicle. Microsome. Endoplasmic reticulum. Cell

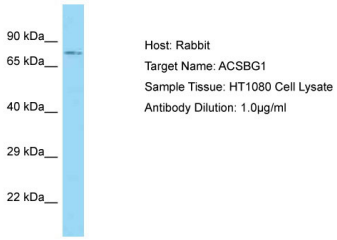
membrane

Tissue Location Expressed primarily in brain. Expressed at lower level in testis and adrenal gland. Present in all regions of brain except pituitary.

References

Steinberg S.J.,et al.J. Biol. Chem. 275:35162-35169(2000).
Ishikawa K.,et al.DNA Res. 5:169-176(1998).
Nakajima D.,et al.DNA Res. 9:99-106(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:671-675(2006).

Images



Host: Rabbit
Target Name: ACSBG1
Sample Tissue: HT1080 Whole cell lysate
s
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.