

ACBG1 rabbit pAb

Catalog No: YT7764

Reactivity: Human; Mouse; Rat

Applications: WB

Target: ACBG1

Fields: >>Fatty acid biosynthesis;>>Fatty acid degradation;>>Metabolic

pathways;>>Fatty acid metabolism;>>PPAR signaling pathway;>>Adipocytokine

signaling pathway

Gene Name: ACSBG1 BGM KIAA0631 LPD

Q96GR2

Q99PU5

Protein Name: ACBG1

Human Gene Id: 23205

Human Swiss Prot

No:

Mouse Gene Id: 94180

Mouse Swiss Prot

No:

Rat Gene Id: 171410

Rat Swiss Prot No: Q924N5

Immunogen: Synthesized peptide derived from human ACBG1 AA range: 496-546

Specificity: This antibody detects endogenous levels of ACBG1 at Human/Mouse/Rat

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1 ? 500-2000

1/2



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 80kD

Background: The protein encoded by this gene possesses long-chain acyl-CoA synthetase

activity. It is thought to play a central role in brain very long-chain fatty acids

metabolism and myelinogenesis. [provided by RefSeg, Jul 2008],

Function : catalytic activity:ATP + a long-chain carboxylic acid + CoA = AMP +

diphosphate + an acyl-CoA.,function:Mediates activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Able to activate long-chain fatty acids. Also able to activate very long-chain fatty acids; however, the relevance of such activity is unclear in vivo. Can activate diverse saturated, monosaturated and polyunsaturated fatty acids.,similarity:Belongs to the ATP-dependent AMP-binding enzyme family. Bubblegum subfamily.,tissue specificity:Expressed primarily in brain. Expressed at lower level in testis and

adrenal gland. Present in all regions of brain except pituitary.,

Subcellular Location:

 $\label{lem:cytoplasmic} \textbf{Cytoplasmic vesicle} \;.\; \textbf{Microsome} \;.\; \textbf{Endoplasmic reticulum} \;.\; \textbf{Cell}$

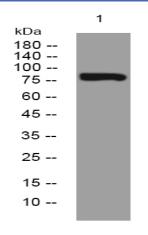
membrane.

ACBG1

Expression: Expressed primarily in brain. Expressed at lower level in testis and adrenal

gland. Present in all regions of brain except pituitary.

Products Images



Western blot analysis of lysates from Hela cells, primary antibody was diluted at 1:1000, 4° over night