

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
Protein Name :	ACBG1
Human Gene Id :	23205
Human Swiss Prot No :	Q96GR2
Mouse Gene Id :	94180
Mouse Swiss Prot No :	Q99PU5
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

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 RefSeq, 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 :	Cytoplasm . Cytoplasmic vesicle . Microsome . Endoplasmic reticulum . Cell membrane .
Expression :	Expressed primarily in brain. Expressed at lower level in testis and adrenal gland. Present in all regions of brain except pituitary.

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