

CDKAL1 Rabbit pAb

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Catalog # AP94154

Product Information

Application	WB
Primary Accession	Q91WE6
Reactivity	Rat
Predicted	Pig, Dog, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65289
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse CDKAL1
Epitope Specificity	375-460/579
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass membrane protein (Potential).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a member of the methylthiotransferase family. The function of this gene is not known. Genome-wide association studies have linked single nucleotide polymorphisms in an intron of this gene with susceptibility to type 2 diabetes. [provided by RefSeq, May 2010].

Additional Information

Gene ID	68916
Other Names	Threonylcarbamoyladenosine tRNA methylthiotransferase, 2.8.4.5, CDK5 regulatory subunit-associated protein 1-like 1, tRNA-t(6)A37 methylthiotransferase, Cdkal1
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

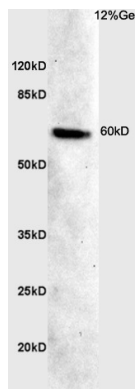
Name	Cdkal1
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Function	Catalyzes the methylthiolation of N6- threonylcarbamoyladenosine (t(6)A), leading to the formation of 2- methylthio-N6-threonylcarbamoyladenosine (ms(2)t(6)A) at position 37 in tRNAs that read codons beginning with adenine.
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:Q5VV42}; Single-pass membrane protein. Note=Is a tail-anchored protein that exploits the TCR40 assisted pathway for insertion into the endoplasmic reticulum {ECO:0000250 UniProtKB:Q5VV42}
Tissue Location	Expressed in pancreas, liver and skeletal muscle, especially in white muscle fibers.

Background

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Images



Sample: Liver (Rat) Lysate at 40 ug
 Primary: Anti-CDKAL1 (AP94154) at 1/300 dilution
 Secondary: HRP conjugated Goat-Anti-rabbit IgG (AP94154-HRP) at 1/5000 dilution
 Predicted band size: 65 kD
 Observed band size: 60 kD

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