SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DNAJC19 antibody

Catalog Number: SL14385R

FOR RESEARCH USE ONLY

[DATASHEET]

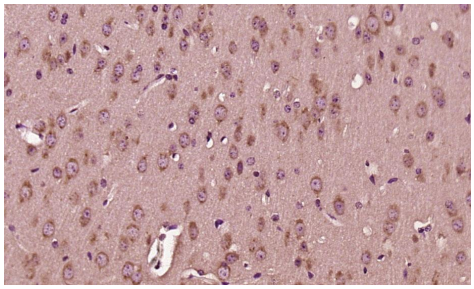
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DNAJC19
Immunogen:	KLH conjugated synthetic peptide derived from human DNAJC19: 21-116/116
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	12kDa
Subcellular Location:	cytoplasmic
Background:	The protein encoded by this gene is thought to be part of a complex involved in the ATP-dependent transport of transit peptide-containing proteins from the inner cell membrane to the mitochondrial matrix. Defects in this gene are a cause of 3-methylglutaconic aciduria type 5 (MGA5), also known as dilated cardiomyopathy with ataxia (DCMA). Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1, 2, 6, 10, 14 and 19. [provided by RefSeq, Jan 2012] **Function:** Probable component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. May act as a co-chaperone that stimulate the ATP-dependent activity. **Subcellular Location:** Mitochondrion inner membrane.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Tissue Specificity: Ubiquitously expressed. DISEASE: Defects in DNAJC19 are the cause of 3-methylglutaconic aciduria type 5 (MGA5) [MIM:610198]; also known as dilated cardiomyopathy with ataxia (DCMA). MGA5 is an autosomal recessive disorder characterized by early-onset dilated cardiomyopathy, growth failure, cerebellar ataxia causing significant motor delays, testicular dysgenesis, growth failure, and significant increases in urine organic acids, particularly 3-methylglutaconic acid and 3-methylglutaric acid. **Similarity:** Belongs to the TIM14 family. Contains 1 J domain. **Database links:** **Entrez Gene:** 131118 Human **Entrez Gene:** 100503724 Mouse **Entrez Gene:** 67713 Mouse Omim: 608977 Human **SwissProt:** Q96DA6 Human **SwissProt:** Q9CQV7 Mouse **Unigene:** 230601 Human **Unigene:** 274266 Mouse **Unigene:** 389927 Mouse

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DNAJC19) Polyclonal Antibody, Unconjugated (SL14385R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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