SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-C1orf69 antibody

Catalog Number: SL15075R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	C1orf69
Immunogen:	KLH conjugated synthetic peptide derived from human C1orf69: 131-230/256
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:	Rat(predicted:Human,Mouse,Pig)
Predicted MW.:	34kDa
Subcellular Location:	cytoplasmic
Background:	Belonging to the CAF17 subfamily of the gcvT family, C1orf69 is a 356 amino acid mitochondrial protein that is required for normal heme synthesis. Heme synthesis is dependent upon receiving iron through iron sulfur (Fe-S) cluster biogenesis proteins such as C1orf69, which is specifically thought to assemble Fe-S clusters for mitochondrial aconitase and lipoate synthase. In zebrafish, deficiency of C1orf69 causes anemia. The gene encoding C1orf69 maps to human chromosome 1, the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. **Function:** Required for normal heme biosynthesis (By similarity). **Subcellular Location:** Mitochondrion (Potential). **Similarity:** Belongs to the GcvT family. CAF17 subfamily.

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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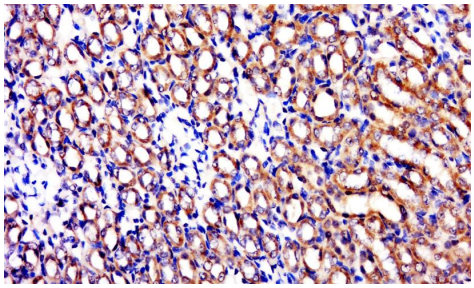
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	Database links: **Entrez Gene:** 200205 Human **SwissProt:** Q5T440 human

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (rat kidney); 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 (C1orf69) Polyclonal Antibody, Unconjugated (SL15075R) at 1:5000 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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