SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-c20orf72 antibody

Catalog Number: SL15115R

FOR RESEARCH USE ONLY

[DATASHEET]

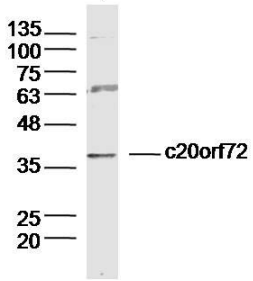
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	c20orf72
Immunogen:	KLH conjugated synthetic peptide derived from human c20orf72: 201-300/344
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	39kDa
Subcellular Location:	cytoplasmic
Background:	Representing about 2% of human DNA, chromosome 20 consists of approximately 63 million bases and 600 genes. Chromosome 20 contains a region with numerous genes expressed in the epididymis, which are thought important for seminal production, and some viewed as potential targets for male contraception. The PRNP gene encoding the prion protein associated with spongiform encephalopathies, like Creutzfeldt-Jakob disease, is found on chromosome 20. Amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome are also associated with chromosome 20. The C20orf72 gene product has been provisionally designated C20orf72 pending further characterization. **Function:** Single-stranded DNA (ssDNA) exonuclease involved in mitochondrial genome maintenance. Has preference for 5'-3' exonuclease activity. Probably involved in mitochondrial DNA (mtDNA) repair, possibly via the processing of displaced DNA containing Okazaki fragments during RNA-primed DNA synthesis on the lagging strand or via processing of DNA

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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	flaps during long-patch base excision repair. **Subcellular Location:** Mitochondrion. DISEASE: Note=Defects in MGME1 are a cause of cause of progressive external ophthalmoplegia with mitochondrial DNA deletions (PEOAX). progressive external ophthalmoplegia with mitochondrial DNA deletions is characterized by external ophthalmoplegia, emaciation and respiratory failure. Muscle biopsies show mtDNA depletion and multiple mtDNA deletions. **Similarity:** Belongs to the MGME1 family. **Database links:** **Entrez Gene:** 92667 Human **SwissProt:** Q9BQP7 human

[VALIDATION IMAGES]



Sample:
A549 Cell (Human) Lysate at 30 ug
Primary: Anti- c20orf72 (SL15115R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39kD
Observed band size: 39kD

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