SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-C3ORF31 antibody

Catalog Number: SL15173R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	C3ORF31
Immunogen:	KLH conjugated synthetic peptide derived from human C3ORF31 : 101-200/316
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 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Sheep)
Predicted MW.:	33kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	C3orf31 (chromosome 3 open reading frame 31), also known as MGC16471 or DKFZp434E0519, is a 316 amino acid mitochondrial protein that belongs to the MMP37 family and may be involved in translocation of transit peptide-containing proteins across the mitochondrial inner membrane. C3orf24 is encoded by a gene that maps to human chromosome 3p25.2. Chromosome 3 is made up of approximately 214 million bases encoding over 1,100 genes. Notably, there is a chemokine receptor gene cluster and a variety of human cancer related loci on chromosome 3. Particular regions of the chromosome 3 short arm are deleted in many types of cancer cells. Key tumor suppressing

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

	genes on chromosome 3 encode apoptosis mediator RASSF1, cell migration regulator HYAL1 and angiogenesis suppressor SEMA3B. Marfan Syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth disease are a few of the numerous genetic diseases associated with chromosome 3. **Function:** May be involved in the translocation of transit peptide-containing proteins across the mitochondrial inner membrane (By similarity). **Subcellular Location:** Mitochondrion (By similarity). **Similarity:** Belongs to the MMP37/TAM41 family. **Database links:** **Entrez Gene:** 514330 Cow **Entrez Gene:** 100725702 Guinea pig **Entrez Gene:** 100051402 Horse **Entrez Gene:** 132001 Human **Entrez Gene:** 362419 Rat **Entrez Gene:** 641323 Zebrafish Omim: 614948 Human **SwissProt:** Q32L81 Cow **SwissProt:** Q96BW9 Human **SwissProt:** Q3TUH1 Mouse **SwissProt:** Q3B7H2 Zebrafish

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