SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-C2orf53 antibody

Catalog Number: SL15152R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	C2orf53
Immunogen:	KLH conjugated synthetic peptide derived from human C2orf53 : 331-412/412
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 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	45kDa
Subcellular Location:	The nucleus
Background:	C2orf53 (chromosome 2 open reading frame 53), also known as MGC44505, is a 412 amino acid protein that is encoded by a gene located on human chromosome 2p23.3. The second largest human chromosome, chromosome 2 consists of 237 million bases, encodes over 1,400 genes and makes up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2. Harlequin icthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alstr syndrome is due to mutations in the ALMS1 gene. Interestingly, chromosome 2 contains what appears to be a vestigial second centromere and vestigial telomeres which gives credence to the hypothesis that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes seen in modern form today in apes. **Database links:**

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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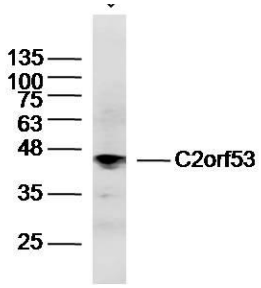
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	Entrez Gene: 339779 Human **SwissProt:** Q53SZ7 Human

[VALIDATION IMAGES]



Sample: Lovo Cell (Human) Lysate at 40 ug
Primary: Anti-C2orf53 (SL15152R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 45 kD
Observed band size: 45 kD

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