SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-C4orf21 antibody

Catalog Number: SL15188R

FOR RESEARCH USE ONLY

[DATASHEET]

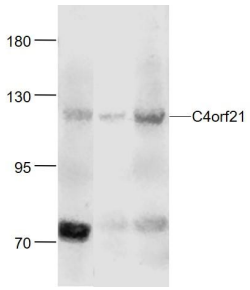
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	C4orf21
Immunogen:	KLH conjugated synthetic peptide derived from human C4orf21: 101-200/926
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 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 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:	Human, Mouse, (predicted: Rat, Cow, Horse)
Predicted MW.:	105kDa
Subcellular Location:	The cell membrane
Background:	C4orf12 (chromosome 4 open reading frame 12) is a 926 amino acid single-pass membrane protein that exists as two isoforms. The gene encoding C4orf21 maps to human chromosome 4. Human chromosome 4 represents approximately 6% of the human genome and contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is on chromosome 4. FGFR-3 is also encoded by a gene that is located on chromosome 4, and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease. **Subcellular Location:** Membrane; Single-pass membrane protein (Potential). **Database links:**

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

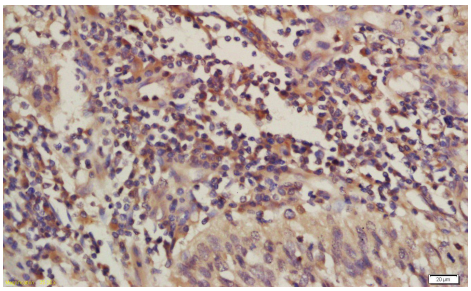
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	Entrez Gene: 55345 Human **Entrez Gene:** 71643 Mouse **SwissProt:** Q6ZU11 Human **SwissProt:** Q86YA3 Human **SwissProt:** Q0VGT4 Mouse **Unigene:** 380346 Human

[VALIDATION IMAGES]



Sample:
Testis (Mouse) Lysate at 40 ug
Molt-4 (Human) Cell Lysate at 30 ug
HL60 (Human) Cell Lysate at 30 ug
Primary: Anti- C4orf21 (SL15188R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 119 kD
Observed band size: 119 kD



Tissue/cell: human laryngo carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min;
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-C4orf21 Polyclonal Antibody, Unconjugated(SL15188R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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