

# C2orf54 Rabbit pAb

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Catalog # AP55833

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF
<b>Primary Accession</b>	<a href="#">Q08AI8</a>
<b>Reactivity</b>	Mouse
<b>Predicted</b>	Human, Rat, Horse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	49565
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human C2orf54
<b>Epitope Specificity</b>	361-447/447
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A

**Buffer** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

**Background Descriptions** C2orf54 (chromosome 2 open reading frame 54), also known as FLJ22671, MGC150431 or MGC150432, is a 447 amino acid protein that exists as three alternatively spliced isoforms, which are encoded by a gene located on human chromosome 2q37.3. 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 ichthyosis, 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, Alström 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.

## Additional Information

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<b>Gene ID</b>	79919
<b>Other Names</b>	Protein mab-21-like 4, MAB21L4 ( <a href="#">HGNC:26216</a> )
<b>Dilution</b>	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

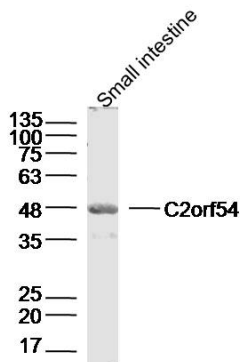
## Protein Information

Name MAB21L4 ( [HGNC:26216](#))

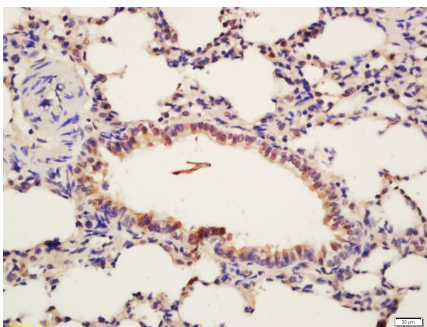
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## Images



Sample: Small intestine (Mouse)Lysate at 40 ug  
Primary: Anti-C2orf54(AP55833)at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution  
Predicted band size: 50kD  
Observed band size: 50kD



Tissue/cell: mouse lung tissue; 4%  
Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, 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-Phospho-Insulin Receptor Beta (Tyr1185) Polyclonal Antibody, Unconjugated (AP55833) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.