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Datasheet for ABIN1696863

## anti-C1ORF21 antibody (AA 51-121) (Alexa Fluor 555)

### Overview

Quantity:	100 µL
Target:	C1ORF21
Binding Specificity:	AA 51-121
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C1ORF21 antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human C1orf21
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Chicken
Purification:	Purified by Protein A.

### Target Details

Target:	C1ORF21
Alternative Name:	C1orf21 ( <a href="#">C1ORF21 Products</a> )
Background:	Synonyms: C1orf21, CA021_HUMAN, Cell proliferation-inducing gene 13 protein, PIG13, RP4-

## Target Details

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768P8.1, Uncharacterized protein C1orf21.

Background: Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8 % of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1. A breakpoint has been identified in 1q which disrupts the DISC1 gene and is linked to schizophrenia. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma. The C1orf21 gene product has been provisionally designated C1orf21 pending further characterization.

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Gene ID: 81563

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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## Handling

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months