

## Anti-CCDC181 antibody

<b>Cat. No.</b>	ml224334
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-CCDC181 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human CCDC181
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.5 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	CCDC181
<b>Full name</b>	coiled-coil domain containing 181

**Synonyms** C1orf114

**Swissprot** Q5TID7

### Target Background

CCDC181, also known as C1orf114, 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 C1orf114 gene product has been provisionally designated C1orf114 pending further characterization.

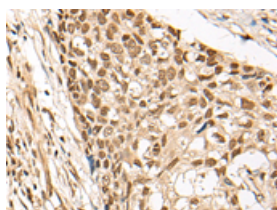
## Applications

### Immunohistochemistry

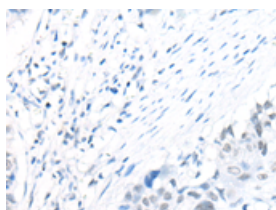
Predicted cell location: Nucleus

Positive control: Human lung cancer

Recommended dilution: 25-100



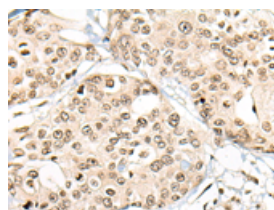
The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml224334(CCDC181 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: ×200)



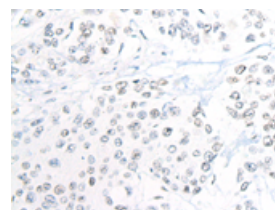
Predicted cell location: Nucleus

Positive control: Human prostate cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using ml224334(CCDC181 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: ×200)



### Western blotting

Predicted band size: 60 kDa

Positive control: K562 cell and Mouse testis tissue lysates

Recommended dilution: 200-1000

Gel: 8%SDS-PAGE

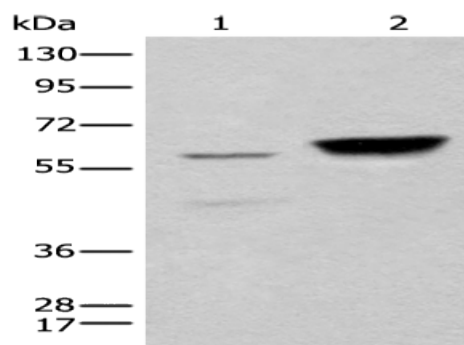
Lysate: 40  $\mu$ g

Lane 1-2: K562 cell and Mouse testis tissue lysates

Primary antibody: ml224334(CCDC181 Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 3 seconds



## ELISA

Recommended dilution: 5000-10000

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