

## Anti-CHCHD5 antibody

<b>Cat. No.</b>	ml224534
<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-CHCHD5 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Full length fusion protein
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.6 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>	CHCHD5
<b>Full name</b>	coiled-coil-helix-coiled-coil-helix domain containing 5

**Synonyms** MIC14; C2orf9

**Swissprot** Q9BSY4

### Target Background

CHCHD5 (Coiled-coil-helix-coiled-coil-helix domain-containing protein 5) is a 110 amino acid protein that contains one CHCH domain. The gene encoding CHCHD5 maps to human chromosome 2, which consists of 237 million bases encoding over 1,400 genes and making 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.

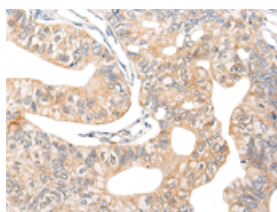
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human gastric cancer

Recommended dilution: 20-100

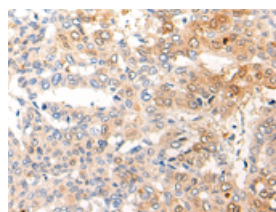


The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ml224534(CHCHD5 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 20-100



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml224534(CHCHD5 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 12 kDa

Positive control: A172 and 231 cell lysates

Recommended dilution: 200-1000

Gel: 12%SDS-PAGE

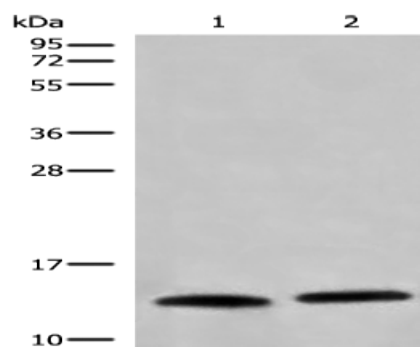
Lysate: 40  $\mu$ g

Lane 1-2: A172 and 231 cell lysates

Primary antibody: ml224534(CHCHD5 Antibody) at dilution 1/250

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

Exposure time: 1 minute



#### ELISA

Recommended dilution: 5000-10000

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