

# MYO5A Rabbit Polyclonal Antibody



CAB9830

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

240kDa

### Calculated MW:

212kDa/215kDa/218kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:100 IF 1:50 - 1:100

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene is one of three myosin V heavy-chain genes, belonging to the myosin gene superfamily. Myosin V is a class of actin-based motor proteins involved in cytoplasmic vesicle transport and anchorage, spindle-pole alignment and mRNA translocation. The protein encoded by this gene is abundant in melanocytes and nerve cells. Mutations in this gene cause Griscelli syndrome type-1 (GS1), Griscelli syndrome type-3 (GS3) and neuroectodermal melanolyosomal disease, or Elejalde disease. Multiple alternatively spliced transcript variants encoding different isoforms have been reported, but the full-length nature of some variants has not been determined.

## Immunogen information

### Gene ID:

4644

### Uniprot

Q9Y4I1

### Synonyms:

MYO5A; GS1; MYH12; MYO5; MYR12; myosin VA

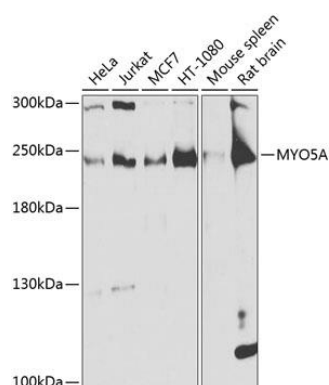
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 950-1150 of human MYO5A (NP\_000250.3).

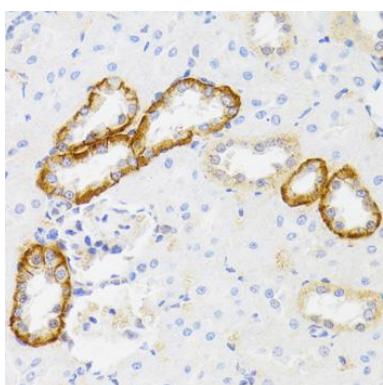
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

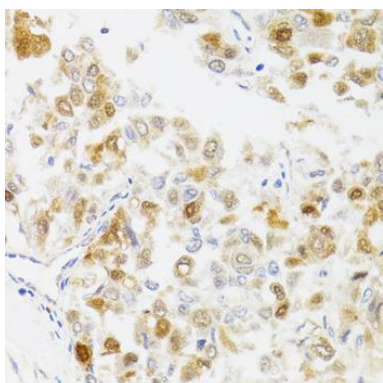
## Product Images



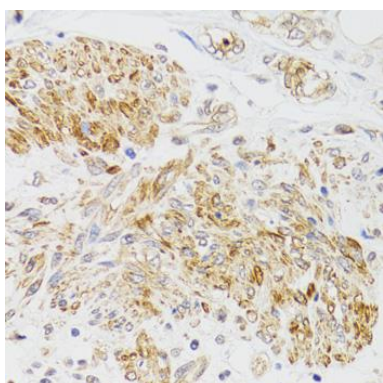
Western blot analysis of extracts of various cell lines, using MYO5A antibody (CAB9830) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.



Immunohistochemistry of paraffin-embedded rat kidney using MYO5A antibody (CAB9830) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver cancer using MYO5A antibody (CAB9830) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human prostate cancer using MYO5A antibody (CAB9830) at dilution of 1:100 (40x lens).