

For Research Use Only

# MYO6 Recombinant antibody

Catalog Number: 84085-3-RR



## Basic Information

### Catalog Number:

84085-3-RR

### Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG24906

### GenBank Accession Number:

BC146764

### GeneID (NCBI):

4646

### UNIPROT ID:

Q9UM54

### Full Name:

myosin VI

### Calculated MW:

1285 aa, 149 kDa

### Observed MW:

145-150 kDa

### Purification Method:

Protein A purification

### CloneNo.:

241251G11

### Recommended Dilutions:

WB 1:2000-1:10000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human

### Positive Controls:

WB : MCF-7 cells, LNCaP cells, HEK-293T cells, DU 145 cells

## Background Information

MYO6, an actin-based motor protein, is the only myosin known to move toward the minus end of actin filaments. MYO6 is highly expressed in the inner and outer hair cells of the ear, retina, and polarized epithelial cells such as kidney proximal tubule cells and intestinal enterocytes. And it participates in a wide range of biological processes within cells, including clathrin-mediated endocytosis, vesicular membrane traffic, polarized secretion, and autophagy (PMID: 23620821; PMID: 28591580). Previous studies showed that MYO6 is upregulated in various types of cancer, and it has been widely reported to contribute to tumor cell migration and metastasis. Some articles indicate that MYO6 is associated with prostate cancer, lung cancer, human colorectal cancer and gastric cancer (PMID: 29022908).

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

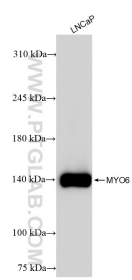
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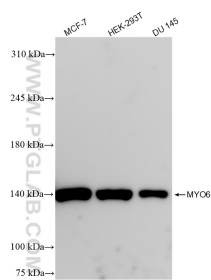
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Selected Validation Data



LNCaP cells were subjected to SDS PAGE followed by western blot with 84085-3-RR (MYO6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 84085-3-RR (MYO6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.