

For Research Use Only

# Dymeclin Polyclonal antibody

Catalog Number: 12001-1-AP



## Basic Information

### Catalog Number:

12001-1-AP

### Size:

150ul , Concentration: 350 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2600

### GenBank Accession Number:

BC001252

### GeneID (NCBI):

54808

### UNIPROT ID:

Q7RTS9

### Full Name:

dymeclin

### Calculated MW:

669 aa, 76 kDa

### Observed MW:

76-80 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human, mouse, rat

### Positive Controls:

WB : HEK-293 cells, MCF-7 cells, mouse kidney tissue, mouse pancreas tissue

## Background Information

Human Dymeclin is encoded by DYM gene, defects in which are the cause of Dyggve-Melchior-Clausen syndrome (DMC) and Smith-McCort dysplasia (SMC). DMC is a rare autosomal recessive disorder characterized by short trunk dwarfism, microcephaly and psychomotor retardation, with cutaneous cells containing dilated rough endoplasmic reticulum, enlarged and aberrant vacuoles and numerous vesicles [PubMed: 12491225]. Distinct with features of DMS, SMC is a rare osteochondrodysplasia characterized by short limbs and trunk with barrel-shaped chest [PubMed: 19005420]. Dymeclin is a not a stably anchored transmembrane protein with a transmembrane domain, but it shuttles between Golgi and cytosol, which is necessary for correct organization of Golgi apparatus [PubMed: 18996921].

## 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

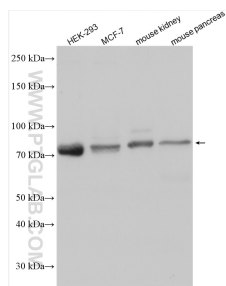
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12001-1-AP (Dymeclin antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.