

For Research Use Only

# Dymeclin Polyclonal antibody

Catalog Number: 12001-1-AP



## Basic Information

<b>Catalog Number:</b> 12001-1-AP	<b>GenBank Accession Number:</b> BC001252	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54808	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> dymeclin	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 669 aa, 76 kDa	
<b>Immunogen Catalog Number:</b> AG2600	<b>Observed MW:</b> 76-80 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, MCF7 cells, mouse kidney tissue, mouse pancreas tissue
<b>Species Specificity:</b> human, mouse, rat	

## 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

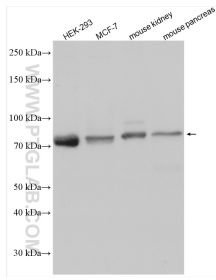
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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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.