For Research Use Only

Dymeclin Polyclonal antibody

Catalog Number:12001-1-AP

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Basic Information

Catalog Number:
12001-1-AP

Size:
350 μg/ml

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

For technical support and original validation data for this product please contact:
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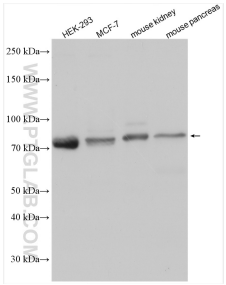
Selected Validation Data



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.