# Palmdelphin Antibody / PALMD (RQ8620)

| Catalog No. | Formulation | Size |
|---|---|---|
| RQ8620 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

## Bulk quote request

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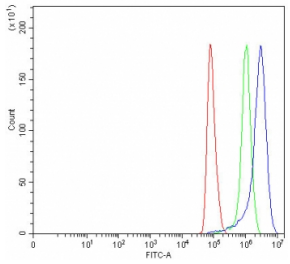
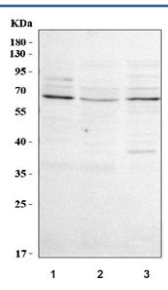
|---|---|
| **Availability** | 1-3 days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q9NP74 |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>ELISA : 0.1-0.5ug/ml |
| **Limitations** | This Palmdelphin antibody is available for research use only. |




Flow cytometry testing of fixed and permeabilized human HeLa cells with Palmdelphin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Palmdelphin antibody.




Western blot testing of human 1) HeLa, 2) HepG2 and 3) K562 cell lysate with Palmdelphin antibody. Predicted molecular weight ~63 kDa but may be observed at up to ~80 kDa.

## Description

Palmdelphin, encoded by PALMD gene, is a newly identified cytosolic isoform of paralemmin-1, a lipid raft-associated protein implicated in cell shape control. Paralemmin (Palm) is a prenyl-palmitoyl anchored membrane protein that can drive membrane and process formation in neurons. Previous finding suggest that palmdelphin may peripherally associate with endomembranes or cytoskeleton-linked structures. Palmdelphin appears to be 80 kDa in Western blotting, larger than the predicated of 63 kDa, and this may be due to the acidic nature of this protein or its posttranslational modification.

## Application Notes

Optimal dilution of the Palmdelphin antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (amino acids E181-L546) was used as the immunogen for the Palmdelphin antibody.

## Storage

After reconstitution, the Palmdelphin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.