

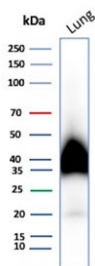
## Gp36 Antibody / Glycoprotein 36 / Podoplanin [clone PDPN/7808R] (V4700)

| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V4700-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4700-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V4700SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

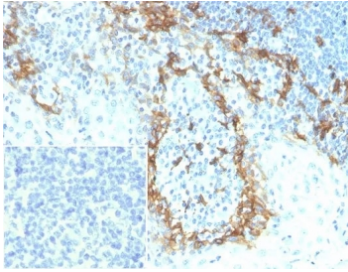
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Purified  |
| <b>Host</b>               | Rabbit  |
| <b>Clonality</b>          | Recombinant Rabbit Monoclonal   |
| <b>Isotype</b>            | Rabbit IgG, kappa   |
| <b>Clone Name</b>         | PDPN/7808R  |
| <b>Purity</b>             | Protein A/G affinity  |
| <b>UniProt</b>            | Q86YL7  |
| <b>Localization</b>       | Cell surface  |
| <b>Applications</b>       | ELISA (Order BSA-free Format For Coating) :<br>Western Blot : 2-4ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| <b>Limitations</b>        | This Gp36 antibody is available for research use only.  |



Western blot testing of human lung tissue lysate with Gp36 antibody. Predicted molecular weight ~25 kDa but may be observed at higher molecular weights due to glycosylation.



IHC staining of FFPE human tonsil tissue with Gp36 antibody (clone PDPN/7808R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## Description

It recognizes a muco-protein of 38-43kDa, which is identified as Podoplanin (PDPN), also called Glycoprotein 36 (Gp36). It localizes in stromal cells of peripheral lymphoid tissue and thymic epithelial cells. As a regulator of the lymphatic endothelium, podoplanin probably plays a role in maintaining the unique shape of podocytes. It is selectively expressed in lymphatic endothelium as well as lymphoangiomas, Kaposi sarcomas, and in a subset of angiosarcomas with probable lymphatic differentiation. Recent studies have also shown podoplanin to be a highly sensitive and relatively specific marker for epithelioid mesothelioma. Therefore, it can be used in a panel to distinguish mesotheliomas or mesothelial cells from pulmonary carcinomas.

## Application Notes

Optimal dilution of the Gp36 antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 1-100) from the human protein was used as the immunogen for the Gp36 antibody.

## Storage

Aliquot the Gp36 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.