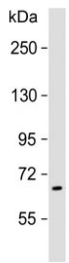
# PRODH Antibody (F54259)

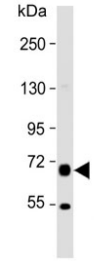
| Catalog No. | Formulation | Size |
|---|---|---|
| F54259-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F54259-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

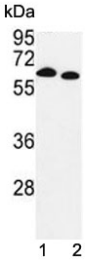
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity purified |
| **UniProt** | Q9WU79 |
| **Gene ID** | 19125 |
| **Localization** | Cytoplasmic |
| **Applications** | Western blot: 1:1000-1:2000<br>Immunohistochemistry (FFPE): 1:25-1:100<br>Flow cytometry: 1:25 (1x10e6 cells) |
| **Limitations** | This PRODH antibody is available for research use only. |



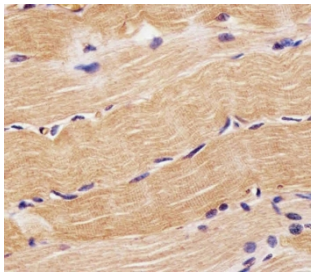

Western blot testing of human brain lysate with PRODH antibody. Predicted molecular weight: 68 kDa.



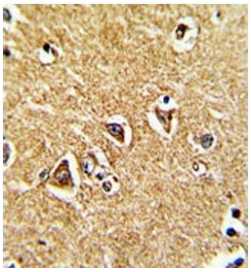

Western blot testing of human MDA-MB-468 cell lysate with PRODH antibody. Predicted molecular weight: 68 kDa.



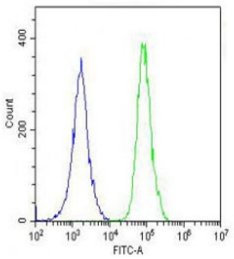

Western blot testing of mouse 1) liver and 2) kidney lysate with PRODH antibody. Predicted molecular weight: 68 kDa.



IHC testing of FFPE human skeletal muscle tissue with PRODH antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human brain tissue with PRODH antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.




Flow cytometry testing of fixed and permeabilized human A549 cells with PRODH antibody; Blue=isotype control, Green= PRODH antibody.

## Description

PRODH is a mitochondrial proline dehydrogenase that catalyzes the first step in proline degradation. It converts proline to delta-1-pyrroline-5-carboxylate.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the PRODH antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 130-155 from the human protein were used as the immunogen for the PRODH antibody.

## Storage

Aliquot the PRODH antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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