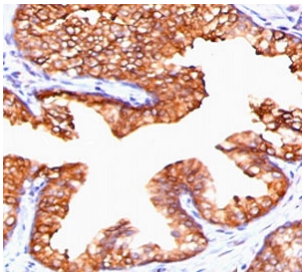
# PMEPA1 Antibody / TMEPAI [clone PTAI1-1] (V7347)

| Catalog No. | Formulation | Size |
|---|---|---|
| V7347-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7347-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V7347SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V7347IHC-7ML | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml |

## Bulk quote request

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG |
| **Clone Name** | PTAI1-1 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | Q969W9 |
| **Localization** | Cell surface, cytoplasm |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT<br>Prediluted IHC only format: incubate for 30 min at RT (1) |
| **Limitations** | This PMEPA1 antibody is available for research use only. |



IHC staining of FFPE human prostate carcinoma with PMEPA1 antibody (clone PTAI1-1). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

## Description

PMEPA1 (prostate transmembrane protein, androgen induced 1), or TMEPAI (Transmembrane prostate androgen induced protein) is a 287 amino acid single-pass membrane protein that contains WW-binding motifs and localizes to the cell membrane. Expressed at high levels in prostate, kidney and ovary, PMEPA1 interacts with NEDD4 and may play a role in regulating AR (androgen receptor) levels, specifically in prostate cells. Down regulation of PMEPA1 is observed in prostate tumors, suggesting that PMEPA1 may exhibit activity as a tumor suppressor. Overexpression of this protein may play a role in multiple types of cancer.

## Application Notes

Optimal dilution of the PMEPA1 antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Full-length recombinant human protein was used as the immunogen for the PMEPA1 antibody.

## Storage

Store the PMEPA1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).


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