

For Research Use Only

# PTOV1 Polyclonal antibody, PBS Only

Catalog Number:16575-1-PBS



## Basic Information

<b>Catalog Number:</b> 16575-1-PBS	<b>GenBank Accession Number:</b> BC042921	<b>Purification Method:</b> Antigen affinity purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 53635	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q86YD1	
<b>Immunogen Catalog Number:</b> AG9859	<b>Full Name:</b> prostate tumor overexpressed 1	
	<b>Calculated MW:</b> 416 aa, 47 kDa	
	<b>Observed MW:</b> 58 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

PTOV1 is a dual-domain adaptor and transcriptional co-regulator that promotes cell proliferation and oncogenic signaling through interactions with E2F1, RSK, and Mediator components. Shuttling between cytoplasm and nucleus, it integrates growth factor and differentiation pathways to balance proliferation and differentiation. Overexpressed in multiple cancers-most prominently prostate carcinoma-PTOV1 is linked to tumor progression, therapy resistance, and poor prognosis, positioning it as a potential biomarker and therapeutic target in epithelial malignancies. (PMID: 15713644)

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

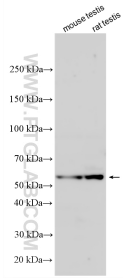
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16575-1-AP (PTOV1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16575-1-PBS in a different storage buffer formulation.