

For Research Use Only

# Prokineticin 1 Polyclonal antibody, PBS Only

Catalog Number: 15152-1-PBS



## Basic Information

<b>Catalog Number:</b> 15152-1-PBS	<b>GenBank Accession Number:</b> BC025399	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 84432	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P58294	
<b>Isotype:</b> IgG	<b>Full Name:</b> prokineticin 1	
<b>Immunogen Catalog Number:</b> AG5098	<b>Calculated MW:</b> 12 kDa	

## Applications

**Tested Applications:**  
IHC, IF/ICC, Indirect ELISA

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

## Background Information

Prokineticin 1 (PROK1) is also named as EG-VEGF and Mambakine, belongs to the to the AVIT (prokineticin) family. Prokineticin signaling comprises two secreted proteins (Prok-1 and Prok-2) and two cognate G-protein coupled receptors (PK-R1 and PK-R2) that are widely expressed in different tissues and of great versatility. Prokineticins were shown to promote angiogenesis in steroidogenic glands, heart and reproductive organs (PMID:18440852). PROK1 has been described as a secretory protein with pleiotropic functions and as a novel tissue-specific angiogenic factor (PMID:32355954). EG-VEGF/PK-1, described as selective angiogenic mitogen, is widely expressed in different tissues including steroidogenic endocrine glands (PMID:16320832). A lot of data suggests EG-VEGF to be restricted to endocrine glands and to some endocrine-dependent organs (PMID:28386275).

## Storage

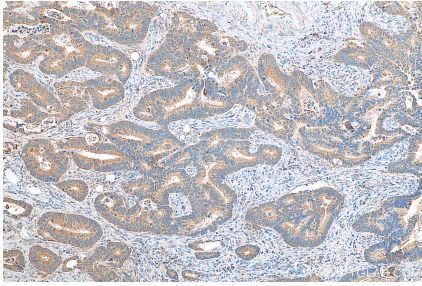
**Storage:**  
Store at -80°C.

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

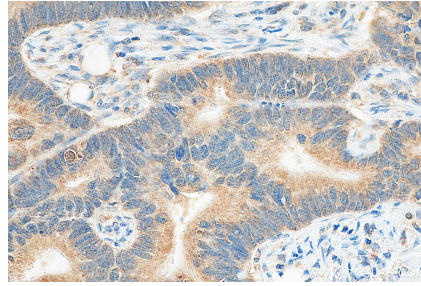
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

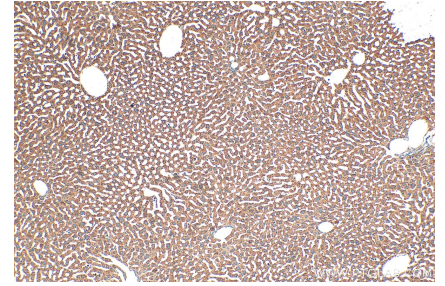
## Selected Validation Data



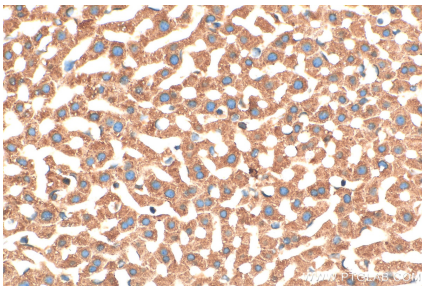
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15152-1-PBS in a different storage buffer formulation.



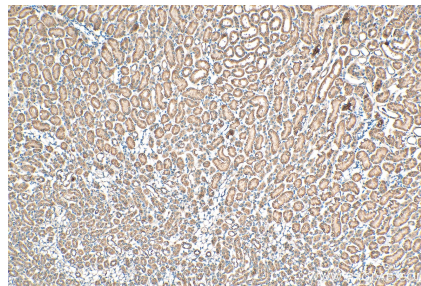
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15152-1-PBS in a different storage buffer formulation.



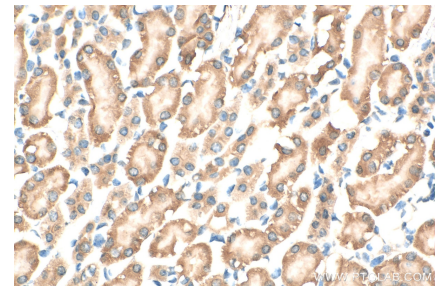
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15152-1-PBS in a different storage buffer formulation.



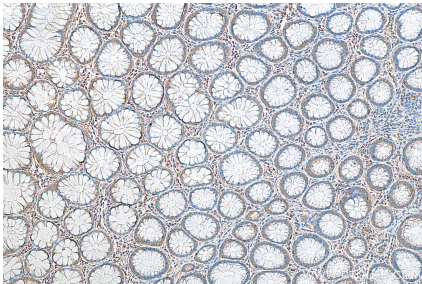
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15152-1-PBS in a different storage buffer formulation.



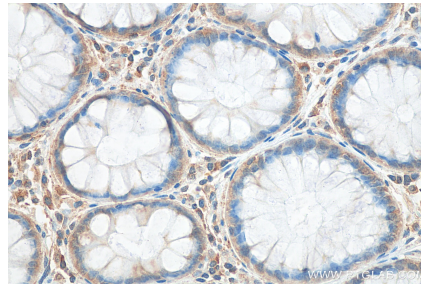
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15152-1-PBS in a different storage buffer formulation.



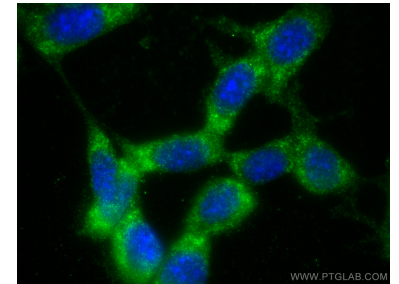
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15152-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15152-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15152-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using Prokineticin 1 antibody (15152-1-AP) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 15152-1-PBS in a different storage buffer formulation.