

For Research Use Only

Prokineticin 1 Polyclonal antibody

Catalog Number: 15152-1-AP



Basic Information

Catalog Number: 15152-1-AP	GenBank Accession Number: BC025399	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 84432	Recommended Dilutions: IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: prokineticin 1	
Isotype: IgG	Calculated MW: 12 kDa	
Immunogen Catalog Number: AG5098		

Applications

Tested Applications: FC, IF, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	IHC : human colon cancer tissue, mouse kidney tissue, mouse liver tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF : NIH/3T3 cells,

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

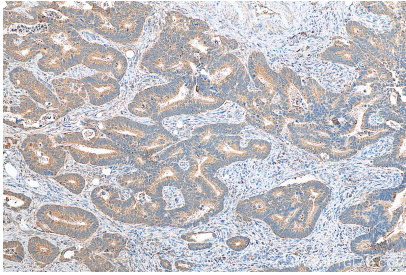
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

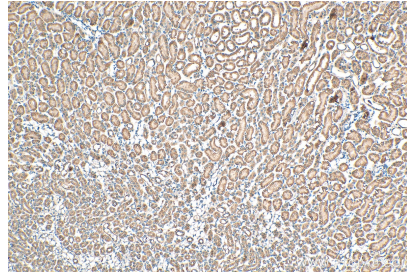
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

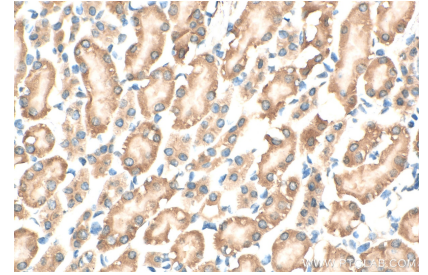
Selected Validation Data



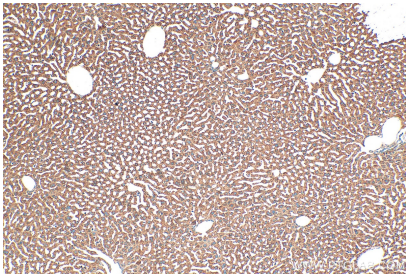
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



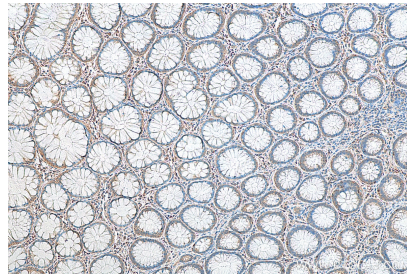
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



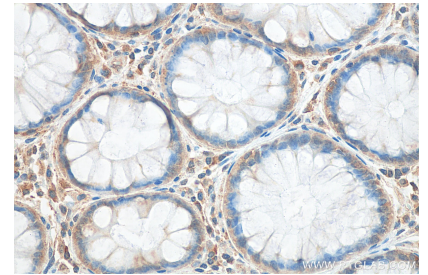
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



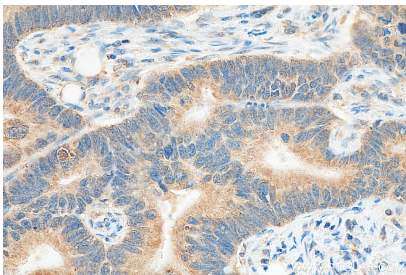
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



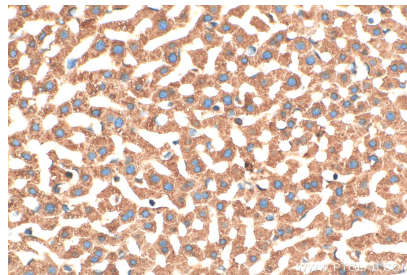
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



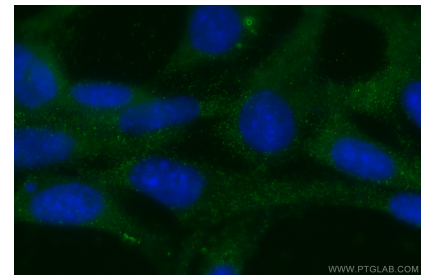
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



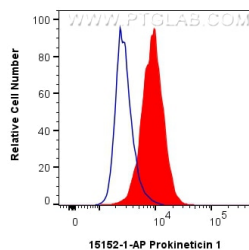
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15152-1-AP (Prokineticin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using Prokineticin 1 antibody (15152-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ NIH/3T3 cells were intracellularly stained with 0.4 ug Anti-Human Prokineticin 1 (15152-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).