

For Research Use Only

TCN2 Polyclonal antibody

Catalog Number: 12157-1-AP

4 Publications



Basic Information

Catalog Number:

12157-1-AP

Size:

150ul, Concentration: 850 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2825

GenBank Accession Number:

BC011239

GeneID (NCBI):

6948

UNIPROT ID:

P20062

Full Name:

transcobalamin II; macrocytic anemia

Calculated MW:

400 aa, 44 kDa

Observed MW:

48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:300-1:600

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

canine, cat, human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: BxPC-3 cells, mouse small intestine tissue, rat liver tissue, MCF-7 cells, U-87 MG cells

IHC: mouse small intestine tissue, human pancreas cancer tissue

Background Information

TCN2 (Transcobalamin-2) is a vitamin B12 (cobalamin; Cbl) binding and transport protein in plasma that facilitates the cellular uptake of the vitamin. TCN2 is secreted in a constitutive fashion in most cells. Plasma TCN2 levels have been reported to be elevated in a number of diverse human diseases. Defects in TCN2 are cause of transcobalamin-2 deficiency. (10714245)

Notable Publications

Author	Pubmed ID	Journal	Application
Yuri Kinoshita	29966424	Mol Pharm	WB
Yue Chen	34998874	Int J Biol Macromol	IF
Annette M Sysel	25633912	Oncotarget	IHC

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

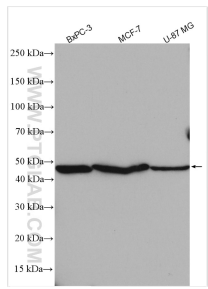
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

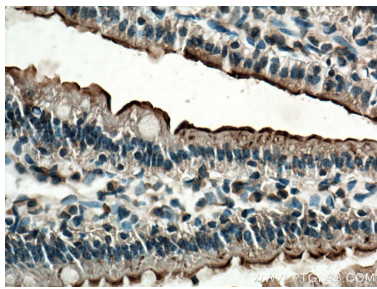
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



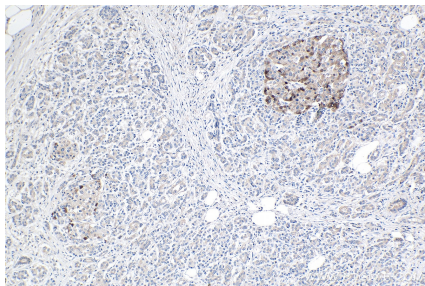
Various lysates were subjected to SDS PAGE followed by western blot with 12157-1-AP (TCN2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 12157-1-AP (TCN2 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 small intestine tissue slide using 12157-1-AP (TCN2 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 pancreas cancer tissue slide using 12157-1-AP (TCN2 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).