

TCN2 Polyclonal antibody

Catalog Number: 12157-1-AP

4 Publications

Basic Information

Catalog Number:

12157-1-AP

Size:

850 µg/ml

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:

IHC, WB, 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

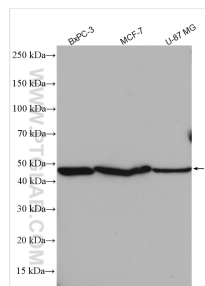
For technical support and original validation data for this product please contact:

T: 4006900926

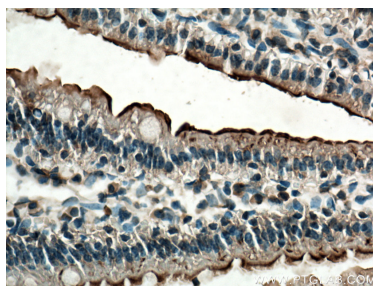
E: Proteintech-CN@ptglab.comW: ptgcn.com

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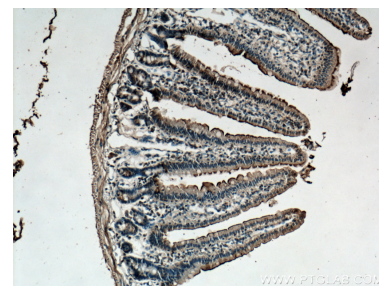
Selected Validation Data



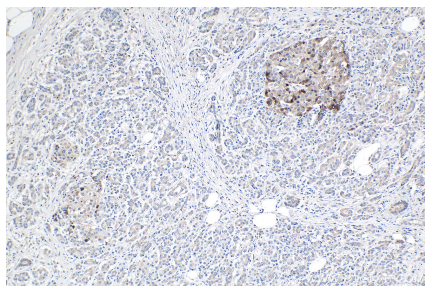
Various lysates were subjected to SDS PAGE followed by western blot with 12157-1-AP (TCN2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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).