

For Research Use Only

TCN2 Polyclonal antibody

Catalog Number: 12157-1-AP **2 Publications**



Basic Information

Catalog Number: 12157-1-AP	GenBank Accession Number: BC011239	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 850 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6948	Recommended Dilutions: WB 1:300-1:600 IHC 1:50-1:500
Source: Rabbit	Full Name: transcobalamin II; macrocytic anemia	
Isotype: IgG	Calculated MW: 400 aa, 44 kDa	
Immunogen Catalog Number: AG2825	Observed MW: 48 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

Cited Species:

canine, cat, human

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,

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
Annette M Sysel	25633912	Oncotarget	IHC
Sysel Annette M AM	24122983	Anticancer Res	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

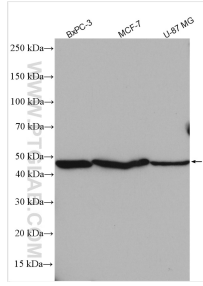
For technical support and original validation data for this product please contact:

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

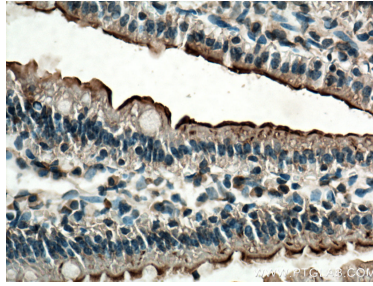
E: proteintech@ptglab.com
W: ptglab.com

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).