

For Research Use Only

Pentraxin 3 Polyclonal antibody

Catalog Number: 13797-1-AP

Featured Product

28 Publications



Basic Information

Catalog Number:

13797-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4624

GenBank Accession Number:

BC039733

GeneID (NCBI):

5806

UNIPROT ID:

P26022

Full Name:

pentraxin-related gene, rapidly induced by IL-1 beta

Calculated MW:

381 aa, 42 kDa

Observed MW:

40-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, bovine

Positive Controls:

WB: HUVEC cells, HeLa cells, HepG2 cells

IF/ICC: HepG2 cells,

Background Information

Pentraxin 3 (PTX3), also known as TNF-inducible gene 14 protein (TSG-14), is a member of the pentraxin superfamily which consists of evolutionarily conserved proteins characterized by a structural motif99, the pentraxin domain (PMID: 15771574). Pentraxin 3 can be produced by a variety of cell types including endothelial cells, smooth muscle cells, adipocytes, fibroblasts, mononuclear phagocytes, and dendritic cells, and its expression is induced by primary inflammatory signals, such as IL-1, TNF, and microbial moieties (PMID: 15771574). Pentraxin 3 is an acute-phase glycoprotein that plays a role in regulating innate resistance to pathogens, inflammation, tissue remodeling and repair, female fertility, and cancer (PMID: 29412047). Pentraxin 3 is a biomarker for cardiovascular disease (PMID: 22347626). Increased plasma Pentraxin 3 levels have been found in patients with cardiovascular disorders (PMID: 22347626; 31057548). In WB, there're two major bands, an upper signal at 80-86 kDa and a lower signal at 42 kDa, representing Pentraxin 3 dimers and monomers, respectively (PMID: 18223257).

Notable Publications

Author	Pubmed ID	Journal	Application
Wan Li	36562002	Acta Pharm Sin B	WB, IHC, IF
Yijun Zhou	31780874	Mediators Inflamm	WB
Bulbul Ahmmed	30483742	Int J Oncol	WB, IF

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

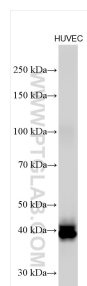
For technical support and original validation data for this product please contact:

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

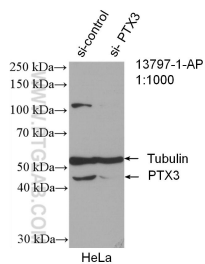
E: proteintech@ptglab.com
W: ptglab.com

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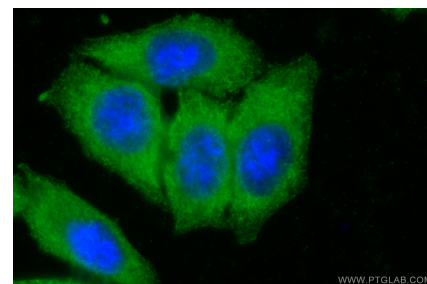
Selected Validation Data



HUVEC cells lysates were subjected to SDS PAGE followed by western blot with 13797-1-AP (Pentraxin 3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of Pentraxin 3 antibody (13797-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Pentraxin 3 transfected HeLa cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Pentraxin 3 antibody (13797-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).