

For Research Use Only

Pentraxin 3 Recombinant antibody

Catalog Number: 84096-3-RR



Basic Information

Catalog Number:

84096-3-RR

Size:

100ul, Concentration: 1000 µg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002852.4

GeneID (NCBI):

5806

UNIPROT ID:

P26022

Full Name:

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

Calculated MW:

42 kDa

Observed MW:

42 kDa

Purification Method:

Protein A purification

CloneNo.:

241393D3

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HUVEC cells, MDA-MB-231 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).

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

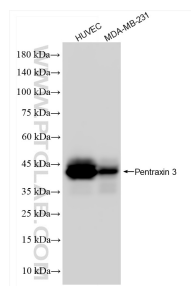
For technical support and original validation data for this product please contact:

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

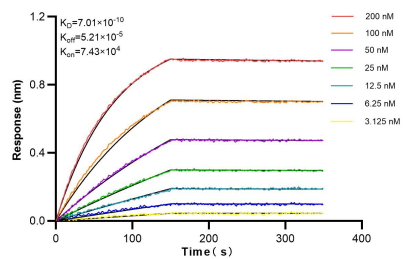
E: proteintech@ptglab.com
W: ptglab.com

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 84096-3-RR (Pentraxin 3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84096-3-RR against Human Pentraxin 3 were performed. The affinity constant is 0.701 nM.