

For Research Use Only

Pentraxin 3 Recombinant antibody

Catalog Number: 84096-3-RR



Basic Information

Catalog Number: 84096-3-RR	GenBank Accession Number: NM_002852.4	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 5806	CloneNo.: 241393D3
Source: Rabbit	UNIPROT ID: P26022	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG	Full Name: pentraxin-related gene, rapidly induced by IL-1 beta	
	Calculated MW: 42 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HUVEC cells, MDA-MB-231 cells
Species Specificity: human	

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

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

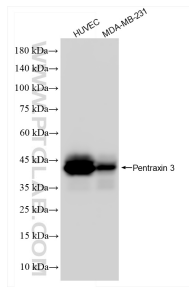
T: 4006900926

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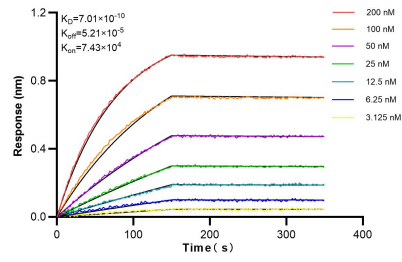
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Selected Validation Data



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.