

For Research Use Only

PON1 Recombinant antibody

Catalog Number:83982-2-RR



Basic Information

Catalog Number: 83982-2-RR	GenBank Accession Number: BC074719	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 5444	CloneNo.: 241091B7
Source: Rabbit	UNIPROT ID: P27169	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: paraoxonase 1	
Immunogen Catalog Number: AG12934	Calculated MW: 355 aa, 40 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human plasma,
Species Specificity: human	

Background Information

PON1, also named PON and K-45, belongs to the paraoxonase family. PON1 hydrolyzes the toxic metabolites of a variety of organophosphorus insecticides. It is capable of hydrolyzing a broad spectrum of organophosphate substrates and several aromatic carboxylic acid esters. PON1 may mediate enzymatic protection of low-density lipoproteins against oxidative modification and the consequent series of events leading to atheroma formation. PON1 was identified as a triple band in a range of approximately 35-40 kDa. For glycosylated, the MW of PON1 is migrated 42-45kd, while the 35 kDa band represents the unglycosylated form (PMID: 17906223, 32002976, 21852972). The antibody has cross-reaction to PON2 and PON3.

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:

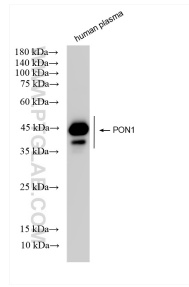
T: 4006900926

E: Proteintech-CN@ptglab.com

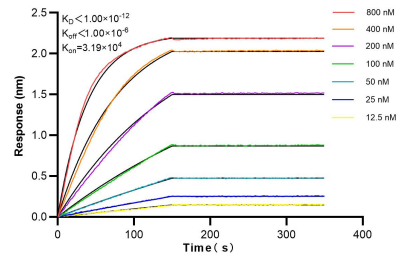
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83982-2-RR (PON1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83982-2-RR against Human PON1 were performed. The affinity constant is below 1 pM.