

For Research Use Only

# PON2 Recombinant antibody

Catalog Number: 86347-3-RR



## Basic Information

Catalog Number:	86347-3-RR	GenBank Accession Number:	BC046160	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	5445	CloneNo.:	251083G7
Source:	Rabbit	UNIPROT ID:	Q15165	Recommended Dilutions:	WB: 1:2000-1:10000
Isotype:	IgG	Full Name:	paraoxonase 2		
Immunogen Catalog Number:	AG5759	Calculated MW:	39 kDa		
		Observed MW:	37-39 kDa		

## Applications

Tested Applications:	Positive Controls:
WB, ELISA	WB: A549 cells,
Species Specificity:	

human

## Background Information

PON2(Serum paraoxonase/arylesterase 2) has antioxidant activity and can prevent LDL lipid peroxidation, reverses the oxidation of mildly oxidized LDL, and inhibits the ability of MM-LDL to induce monocyte chemotaxis. Highest levels of PON2 protein are found in the mouse lung and small intestine, followed by the heart and liver, while lower levels are present in the testis, kidney and brain. PON2 expression in tissues from female mice is always significantly higher than in male animals. There are also some reports showing two bands of 43 kDa and 53 kDa to be detected through western blot as the two isoforms of this protein. (PMID:21354197).

## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.

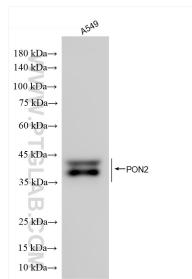
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

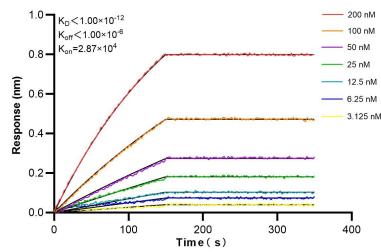
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86347-3-RR (PON2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86347-3-RR against Human PON2 were performed. The affinity constant is below 1 pM.