

For Research Use Only

Pon3 Recombinant monoclonal antibody

Catalog Number:86577-1-RR



Basic Information

Catalog Number:	86577-1-RR	GenBank Accession Number:	NM_173006.1	Purification Method:	Protein A purification
Size:	100ul	GenID (NCBI):	269823	CloneNo.:	251535H2
Source:	Rabbit	UNIPROT ID:	Q62087	Recommended Dilutions:	WB: 1:5000-1:50000
Isotype:	IgG	Full Name:	paraoxonase 3		
Immunogen Catalog Number:	EG2743	Calculated MW:	39 kDa		
		Observed MW:	40 kDa		

Applications

Tested Applications:	WB, ELISA	Positive Controls:
Species Specificity:	mouse, rat	WB: mouse kidney tissue, rat kidney tissue, mouse spleen tissue

Background Information

PON3 (paraoxonase 3) is a member of the paraoxonase gene family and shares high homology with PON1 and PON2. The PON3 protein is primarily synthesized by the liver and can bind to high-density lipoprotein (HDL), where it exerts antioxidant functions. PON3 can prevent the oxidation of low-density lipoprotein (LDL) and disrupt bacterial quorum-sensing molecules. Additionally, PON3 is expressed in mouse models of Alzheimer's disease (AD), with positive staining for PON3 detected in astrocytes surrounding A β plaques. These findings suggest that PON3 plays an important role in antioxidant stress and lipid peroxidation and may have potential protective effects on pathological processes such as neurodegenerative diseases and atherosclerosis.

Storage

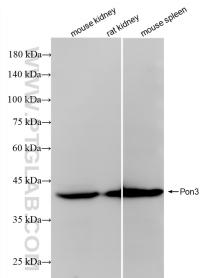
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86577-1-RR (Pon3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.