



Anti-PON1 (aa 246-355) polyclonal antibody (DPAB-DC2323)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The enzyme encoded by this gene is an arylesterase that mainly hydrolyzes paroxon to produce p-nitrophenol. Paroxon is an organophosphorus anticholinesterase compound that is produced in vivo by oxidation of the insecticide parathion. Polymorphisms in this gene are a risk factor in coronary artery disease. The gene is found in a cluster of three related paraoxonase genes at 7q21.3.
Immunogen	PON1 (NP_000437, 246 a.a. ~ 355 a.a) partial recombinant protein with GST tag. The sequence is HVYEKHANWTLTPLKSLDFNTLVDNISVDPETGDLWVGCHPNGMKIFFYDSENPPASEVL RIQNILTEEPKVTQVYAEANGTVLQGSTVASVYKGKLLIGTVFHKALYCEL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PON1 paraoxonase 1 [Homo sapiens (human)]
Official Symbol	PON1
Synonyms	PON1; paraoxonase 1; ESA; PON; MVCD5; serum paraoxonase/arylesterase 1; K-45; PON 1; esterase A; A-esterase 1; arylesterase 1; paraoxonase B-type; aromatic esterase 1; arylesterase B-type; serum aryldiakylphosphatase; serum aryldialkylphosphatase 1;
Entrez Gene ID	5444
Protein Refseq	NP_000437
UniProt ID	P27169
Chromosome Location	7q21.3
Pathway	Phase I, non P450;
Function	aryldialkylphosphatase activity; arylesterase activity; calcium ion binding; phospholipid binding
