



Anti-PON2 (full length) polyclonal antibody (DPAB-DC2324)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the paraoxonase gene family, which includes three known members located adjacent to each other on the long arm of chromosome 7. The encoded protein is ubiquitously expressed in human tissues, membrane-bound, and may act as a cellular antioxidant, protecting cells from oxidative stress. Hydrolytic activity against acylhomoserine lactones, important bacterial quorum-sensing mediators, suggests the encoded protein may also play a role in defense responses to pathogenic bacteria. Mutations in this gene may be associated with vascular disease and a number of quantitative phenotypes related to diabetes. Alternatively spliced transcript variants encoding different isoforms have been described.
Immunogen	PON2 (AAH46160, 1 a.a. ~ 219 a.a) full-length recombinant protein with GST tag. The sequence is MGRLVAVGLLGIALALLGERLLALRNRLKASREVESVDLPHCHLIKGIEAGSE DIDILPN GLAFFSVGLKFPGLHSFAPDKPGGILMMMDLKEEKPRARELRISRGFDLASFNPHGISTFI DNDDTVYLFVVNHPEFKNTVEIFKFEEGENSLLHLKTVKHELLPSVNDITAVGPAHFYAT NDHYFSDPFLKYLETYLNHWANVYYSPNEVKVVYLCC
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	PON2 paraoxonase 2 [Homo sapiens (human)]
Official Symbol	PON2
Synonyms	PON2; paraoxonase 2; serum paraoxonase/arylesterase 2; PON 2; A-esterase 2; arylesterase 2; paraoxonase nirs; aromatic esterase 2; serum arylalkylphosphatase 2;
Entrez Gene ID	5445
Protein Refseq	NP_000296
UniProt ID	Q15165
Chromosome Location	7q21.3
Pathway	Phase I, non P450;
Function	arylesterase activity; identical protein binding; metal ion binding;
