



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

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	PON2 (AAH46160, 1 a.a. ~ 219 a.a) full-length recombinant protein with GST tag. The sequence is MGRLVAVGLLGIALALLGERLLALRNRLKASREVESVDLPHCHLIKIEAGSEDIDILPN GLAFFSVGLKFPGLHSFAPDKPGGILMMDLKEEKPRARELRISRGFDLASFNPHGISTFI DNDDTVYLFVNVHPEFKNTVEIFKFEEGENSLLHLKTVKHELLPSVNDITAVGPAHFYAT NDHYFSDPFLKYLETYLNLHWANVVYYSPNEVKVYYLCC
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

Gene Name	<a href="#">PON2 paraoxonase 2 [ Homo sapiens (human) ]</a>
Official Symbol	PON2
Synonyms	PON2; paraoxonase 2; serum paraoxonase/arylesterase 2; PON 2; A-esterase 2; arylesterase 2; paraoxonase nirs; aromatic esterase 2; serum aryldialkylphosphatase 2;
Entrez Gene ID	<a href="#">5445</a>
Protein Refseq	<a href="#">NP_000296</a>
UniProt ID	<a href="#">Q15165</a>
Chromosome Location	7q21.3
Pathway	Phase I, non P450;
Function	arylesterase activity; identical protein binding; metal ion binding;