

Product datasheet for **TA348946**

PON2 Goat Polyclonal Antibody

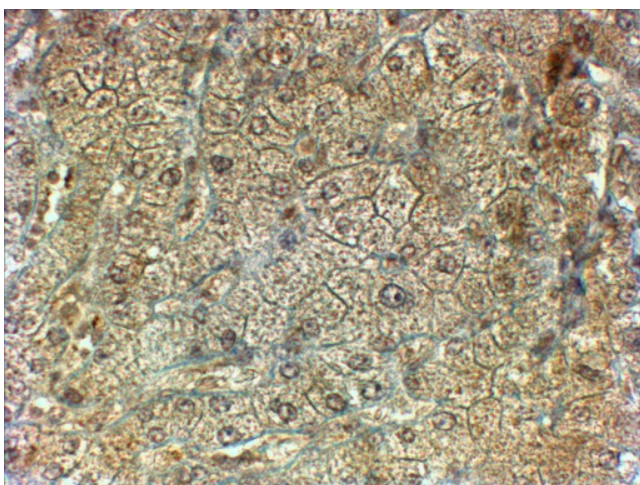
Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 2-4 ug/ml
Reactivity:	Human (Expected from sequence similarity: Mouse, Rat, Pig, Dog, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-PON2 Antibody: Peptide with sequence C-ERLLALRNRLKAS, from the internal region of the protein sequence according to NP_000296.2; NP_001018171.1.
Formulation:	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	paraoxonase 2
Database Link:	NP_000296 Entrez Gene 296851 RatEntrez Gene 330260 MouseEntrez Gene 403855 DogEntrez Gene 5445 Human Q15165



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- Background:** 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. [provided by RefSeq, Jul 2008]
- Synonyms:** A-esterase 2; aromatic esterase 2; arylesterase 2; paraoxonase 2; paraoxonase nirs; serum arylalkylphosphatase 2; serum paraoxonase
- Note:** This antibody is expected to recognize isoforms 1 and 2 (NP_000296.2; NP_001018171.1).
- Protein Families:** Druggable Genome
- Protein Pathways:** Metabolic pathways

Product images:

TA348946 (2 ug/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.