

## Product datasheet for **TA807381S**

### PON3 Mouse Monoclonal Antibody [Clone ID: OTI5C3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5C3
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 30-319 of human PON3(NP_000931) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	39.4 kDa
Gene Name:	paraoxonase 3
Database Link:	<a href="#">NP_000931</a> <a href="#">Entrez Gene 5446 Human</a> <a href="#">Q15166</a>



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**Background:**

This gene is a member of the paraoxonase family and lies in a cluster on chromosome 7 with the other two family members. The encoded protein is secreted into the bloodstream and associates with high-density lipoprotein (HDL). The protein also rapidly hydrolyzes lactones and can inhibit the oxidation of low-density lipoprotein (LDL), a function that is believed to slow the initiation and progression of atherosclerosis. Alternatively spliced variants which encode different protein isoforms have been described; however, only one has been fully characterized. [provided by RefSeq, Jul 2008]

**Synonyms:**

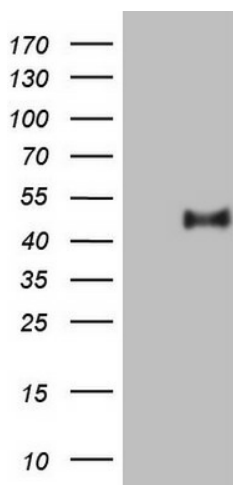
lactonase 3; paraoxanase-3; paraoxonase 3; serum paraoxonase

**Protein Families:**

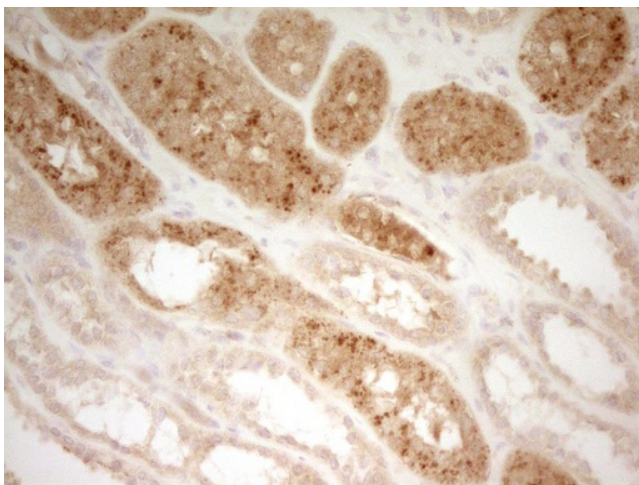
Secreted Protein, Transmembrane

**Protein Pathways:**

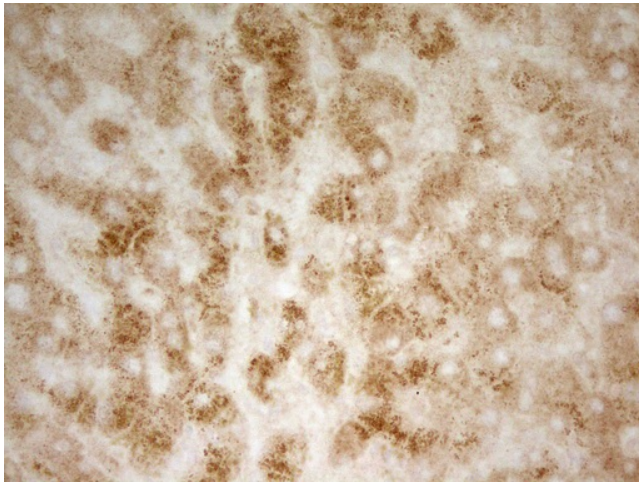
Metabolic pathways

**Product images:**

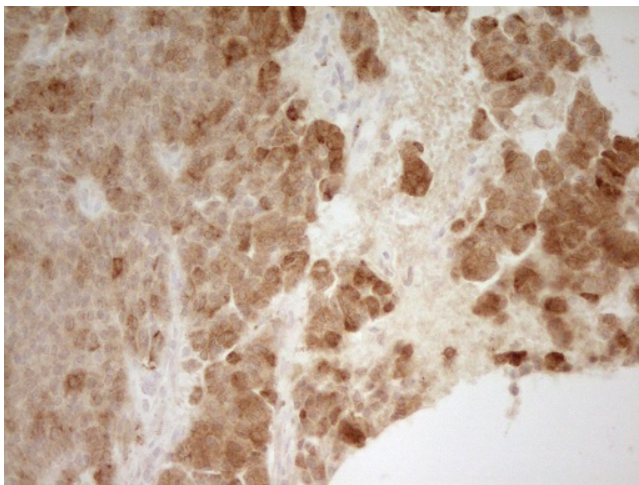
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PON3 ([RC210019], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PON3 ([TA807381]). Positive lysates [LY400339] (100ug) and [LC400339] (20ug) can be purchased separately from OriGene.



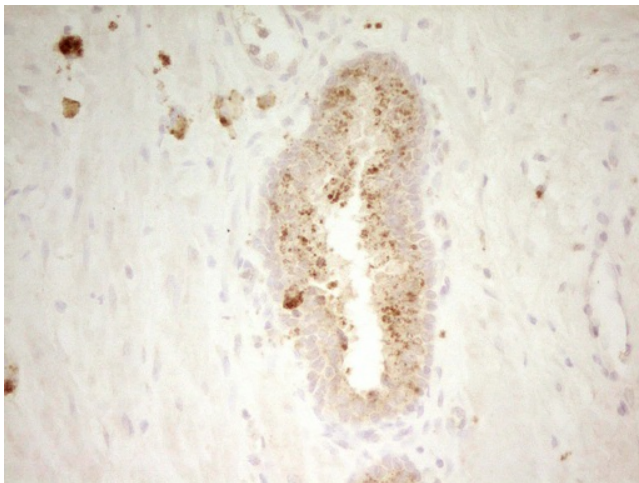
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-PON3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA807381])



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-PON3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA807381])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-PON3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA807381])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PON3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA807381])