

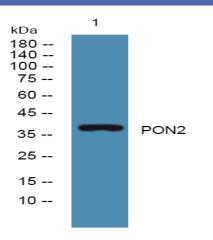
## PON2 Polyclonal Antibody

Catalog No :	YN2199
Reactivity :	Human;Rat;Mouse
Applications :	WB;ELISA
Target :	PON2
Gene Name :	PON2
Protein Name :	Serum paraoxonase/arylesterase 2 (PON 2) (EC 3.1.1.2) (EC 3.1.1.81) (Aromatic esterase 2) (A-esterase 2) (Serum aryldialkylphosphatase 2)
Human Gene Id :	5445
Human Swiss Prot	Q15165
No : Mouse Swiss Prot	Q62086
No : Rat Swiss Prot No :	Q6AXM8
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	PON2 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity- chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)



## Observed Band : 38kD

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],
Function :	catalytic activity:A phenyl acetate + H(2)O = a phenol + acetate.,catalytic activity:An aryl dialkyl phosphate + H(2)O = dialkyl phosphate + an aryl alcohol.,function:Hydrolyzes the toxic metabolites of a variety of organophosphorus insecticides. Capable of hydrolyzing a broad spectrum of organophosphate substrates and a number of aromatic carboxylic acid esters (By similarity). Has antioxidant activity. Is not associated with high density lipoprotein. Prevents LDL lipid peroxidation, reverses the oxidation of mildly oxidized LDL, and inhibits the ability of MM-LDL to induce monocyte chemotaxis.,online information:The Singapore human mutation and polymorphism database,PTM:Glycosylated.,PTM:The signal sequence is not cleaved.,similarity:Belongs to the paraoxonase family.,tissue specificity:Widely expressed with highest expression in liver, lung, placenta, testis and heart.,
Subcellular	Membrane ; Peripheral membrane protein .
Location :	
Expression :	Widely expressed with highest expression in liver, lung, placenta, testis and heart.



## **Products Images**

Western blot analysis of lysates from Jurkat cells, primary antibody was diluted at 1:1000, 4° over night