Rabbit monoclonal antibody to Human PON1.

CABT-36017RH Rabbit(PON1)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal antibody to Human PON1.
Antigen Description	The protein encoded by this gene is an unusual orphan receptor that contains a putative ligand-binding domain but lacks a conventional DNA-binding domain. The gene product is a member of the nuclear hormone receptor family, a group of transcription factors regulated by small hydrophobic hormones, a subset of which do not have known ligands and are referred to as orphan nuclear receptors. The protein has been shown to interact with retinoid and thyroid hormone receptors, inhibiting their ligand-dependent transcriptional activation. In addition, interaction with estrogen receptors has been demonstrated, leading to inhibition of function. Studies suggest that the protein represses nuclear hormone receptor-mediated transactivation via two separate steps: competition with coactivators and the direct effects of its transcriptional repressor function.
Target	PON1
Immunogen	Synthetic peptide corresponding to residues near the N terminus of Human PON1.
Host	Rabbit
Isotype	IgG1
species	Human
Clone	FQS3903
Purification	Tissue culture supernatant
Applications	IHC-P, IP, WB
Sequence similarities	Belongs to the paraoxonase family.
Cellular localization	Secreted > extracellular space.

PACKAGING

Format	Liquid
Buffer	Preservative: 0.01% Sodium AzideConstituents: 40% Glycerol, 0.05% BSA, Tissue culture supernatant, 0.15M Sodium chloride, 50mM Tris glycine, pH 7.4
Storage	Store at -20°C. Stable for 12 months at -20°C

ANTIGEN GENE INFORMATION

Gene Name	PON1 paraoxonase 1 [Homo sapiens]
Official Symbol	PON1
Synonyms	PON1; paraoxonase 1; PON; serum paraoxonase/arylesterase 1; ESA; esterase A; A esterase 1; A-esterase 1; Aromatic esterase 1; Arylesterase B type; ESA; Esterase A; K 45; K-45; MVCD5; Paraoxonase 1; Paraoxonase; Paraoxonase B type; Paraoxonase1; PON 1; PON; PON1; PON1_HUMAN; Serum aryldialkylphosphatase 1; Serum paraoxonase/arylesterase 1; K-45; PON 1; A -esterase 1; OTTHUMP00000204571; paraoxonase B-type; aromatic esterase 1; arylesterase B-type; serum aryldiakylphosphatase; serum aryldialkylphosphatase 1; MVCD5;
GeneID	5444

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mRNA Refseq	NM_000446
Protein Refseq	NP_000437
UniProt ID	P27169
Chromosome Location	7q21.3
Pathway	Metabolic pathways, organism-specific biosystem;
Function	aryldialkylphosphatase activity; arylesterase activity; arylesterase activity; calcium ion binding; hydrolase activity; phospholipid binding; protein homodimerization activity;

REFERENCES

1. Determination of oxygen derived free radicals producer (xanthine oxidase) and scavenger (paraoxonase1) enzymes and lipid parameters in different cancer patients. Samra ZQ, et al. Clin Lab, 2011.
2. Paraoxonase-1 192/55 polymorphisms and the risk of lung cancer in a Turkish population. Aksoy-Sagirli P, et al. Anticancer Res, 2011 Jun.
3. Lower serum paraoxonase-1 activity is related to higher serum amyloid a levels in metabolic syndrome. Kappelle PJ, et al. Arch Med Res, 2011 Apr.

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