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Product datasheet for TA502612BM

PON1 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI2A9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2A9
Applications:	FC, WB
Recommended Dilution:	WB 1:500~2000, FLOW 1:100
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PON1 (NP_000437) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	39.6 kDa
Gene Name:	paraoxonase 1
Database Link:	NP_000437 Entrez Gene 699355 MonkeyEntrez Gene 5444 Human P27169
Background:	The enzyme encoded by this gene is an arylesterase that mainly hydrolyzes paroxon to produce p-nitrophenol. Paroxon is an organophosphorus anticholinesterase compound that is produced in vivo by oxidation of the insecticide parathion. Polymorphisms in this gene are a risk factor in coronary artery disease. The gene is found in a cluster of three related paraoxonase genes at 7q21.3. [provided by RefSeq]

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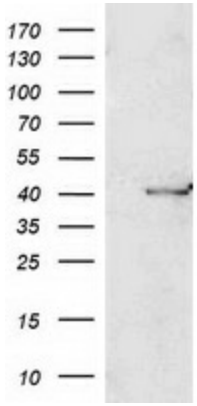
Synonyms: ESA; MVCD5; PON

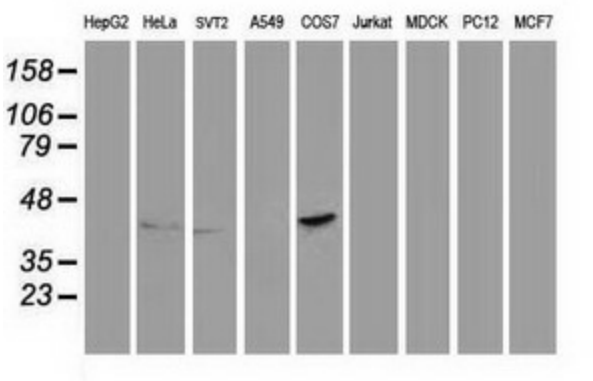
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Metabolic pathways

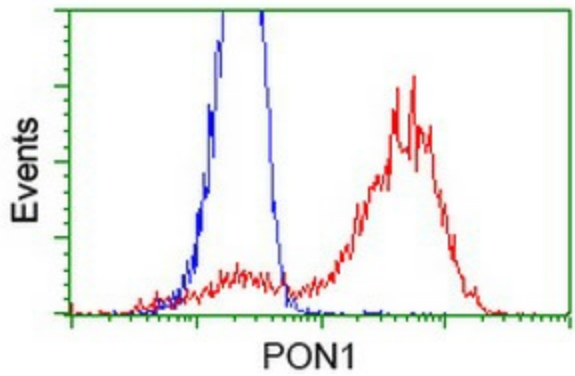
Product images:



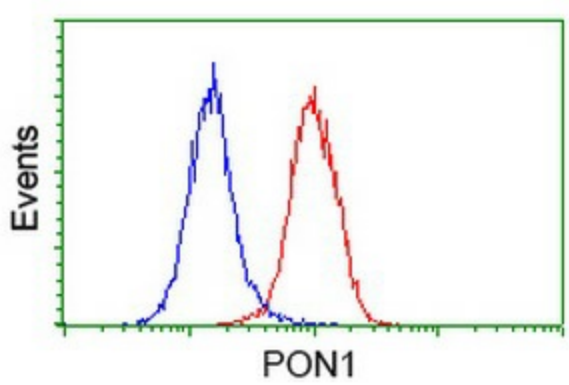
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PON1 ([RC210356], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PON1. Positive lysates [LY400156] (100ug) and [LC400156] (20ug) can be purchased separately from OriGene.



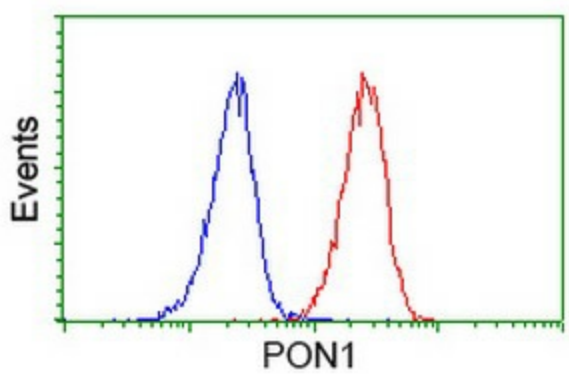
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PON1 monoclonal antibody.



HEK293T cells transfected with either [RC210356] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PON1 antibody ([TA502612]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Hela cells, using anti-PON1 antibody ([TA502612]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-PON1 antibody ([TA502612]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).