ARG41558
anti-PON1 / paraoxonase 1 antibody [6B1]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [6B1] recognizes PON1 / paraoxonase 1
Tested Reactivity	Ms
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	6B1
Isotype	IgG1
Target Name	PON1 / paraoxonase 1
Species	Mouse
Immunogen	Recombinant protein corresponding to A30-D274 of Mouse PON1 / paraoxonase 1.
Conjugation	Un-conjugated
Alternate Names	K-45; Aromatic esterase 1; MVCD5; EC 3.1.1.81; A-esterase 1; PON; Serum paraoxonase/arylesterase 1; ESA; Serum aryldialkylphosphatase 1; EC 3.1.8.1; EC 3.1.1.2; PON 1

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	~ 43 kDa

Properties

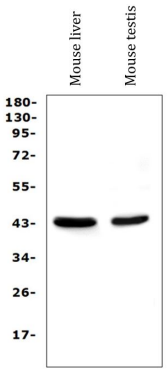
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PON1
Gene Full Name	paraoxonase 1
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, Oct 2008]
Function	Hydrolyzes the toxic metabolites of a variety of organophosphorus insecticides. Capable of hydrolyzing a broad spectrum of organophosphate substrates and lactones, and a number of aromatic carboxylic acid esters. Mediates an enzymatic protection of low density lipoproteins against oxidative modification and the consequent series of events leading to atheroma formation. [UniProt]
Calculated Mw	40 kDa
PTM	Glycosylated. The signal sequence is not cleaved. Present in two forms, form B contains a disulfide bond, form A does not. [UniProt]
Cellular Localization	Secreted, extracellular space. [UniProt]

Images



ARG41558 anti-PON1 / paraoxonase 1 antibody [6B1] WB image

Western blot: 50 µg of samples under reducing conditions. Mouse liver and Mouse testis lysates stained with ARG41558 anti-PON1 / paraoxonase 1 antibody [6B1] at 0.5 µg/ml dilution, overnight at 4°C.