Datasheet for ABIN2855759

anti-PON2 antibody

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Overview

Quantity:	100 µL
Target:	PON2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PON2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human PON2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to PON2 (paraoxonase 2) PON2 antibody [N1C2]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	PON2
Alternative Name:	paraoxonase 2 (PON2 Products)

Target Details

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. Cellular Localization: Membrane, Peripheral membrane protein
Molecular Weight:	39 kDa
Gene ID:	5445
UniProt:	Q15165

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: A431 , Mouse liver
Restrictions:	For Research Use only

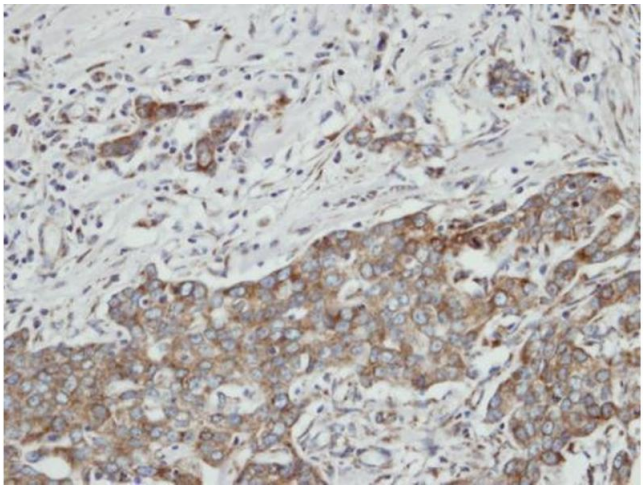
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

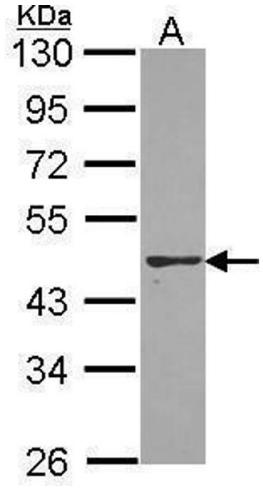
Product cited in: Piquet, Le Parc, Bai, Chevallier, Adam, Polo: "The Histone Chaperone FACT Coordinates H2A.X-Dependent Signaling and Repair of DNA Damage." in: **Molecular cell**, Vol. 72, Issue 5, pp. 888-901.e7, (2018) (PubMed).

Validation report #104383 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



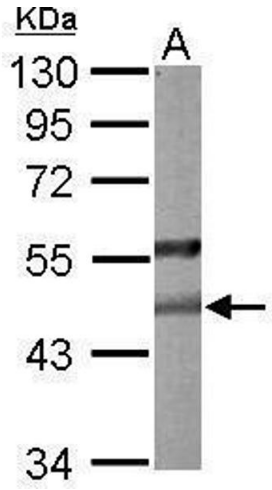
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded N87 xenograft, using PON2, antibody at 1:100 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: A431 , 10% SDS PAGE PON2 antibody antibody diluted at 1:1000



Western Blotting

Image 3. WB Image Sample (50 ug of whole cell lysate) A: mouse liver 10% SDS PAGE antibody diluted at 1:1000