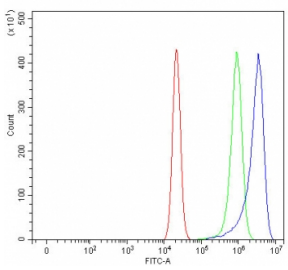
Paraoxonase 2 Antibody / PON2 (RQ7794)

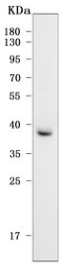
Catalog No.	Formulation	Size
RQ7794	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q15165
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Paraoxonase 2 antibody is available for research use only.



Flow cytometry testing of human RT4 cells with Paraoxonase 2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Paraoxonase 2 antibody.



Western blot testing of human HCCT cell lysate with Paraoxonase 2 antibody. Predicted molecular weight: ~39/39/38 kDa (isoforms 1/2/3).

Description

Paraoxonase 2 is an enzyme that in humans is encoded by the PON2 gene. It is mapped to 7q21.3. 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 and 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.

Application Notes

Optimal dilution of the Paraoxonase 2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids D38-D337) was used as the immunogen for the Paraoxonase 2 antibody.

Storage

After reconstitution, the Paraoxonase 2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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