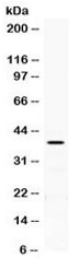
PON2 Antibody / Paraoxonase 2 (R32234)

Catalog No.	Formulation	Size
R32234	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
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q15165
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This PON2 antibody is available for research use only.



Western blot testing of human HeLa cell lysate with PON2 antibody. Expected/observed molecular weight ~39 kDa.

Description

PON2 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 PON2 antibody should be determined by the researcher.

Immunogen

Amino acids AHEIHVLEKHTNMNLTQLKVLELDTLVDNLSID of human PON2 were used as the immunogen for the PON2 antibody.

Storage

After reconstitution, the PON2 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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