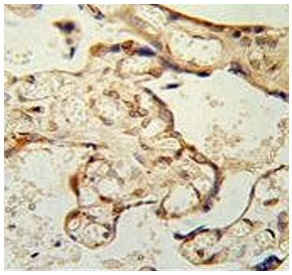
Paraoxonase 2 Antibody / PON2 (F54835)

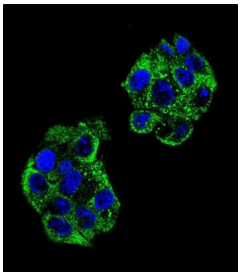
Catalog No.	Formulation	Size
F54835-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54835-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

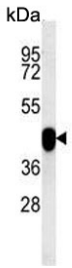
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q15165
Applications	Immunofluorescence: 1:10-1:50 Immunohistochemistry (FFPE): 1:50-1:100 Western blot: 1:500-1:1000
Limitations	This Paraoxonase 2 antibody is available for research use only.



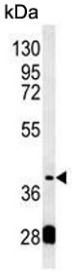
IHC testing of FFPE human placental tissue with Paraoxonase 2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HepG2 cells with Paraoxonase 2 antibody (green) and DAPI nuclear stain (blue).



Western blot testing of human HepG2 cell lysate with Paraoxonase 2 antibody. Predicted molecular weight ~39 kDa.



Western blot testing of mouse liver tissue lysate with Paraoxonase 2 antibody. Predicted molecular weight ~39 kDa.

Description

PON2 is 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Paraoxonase 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 74-101 from the human protein was used as the immunogen for the Paraoxonase 2 antibody.

Storage

Aliquot the Paraoxonase 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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