

PON2 Rabbit mAb

Catalog No: #49891



Package Size: #49891-1 50ul #49891-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

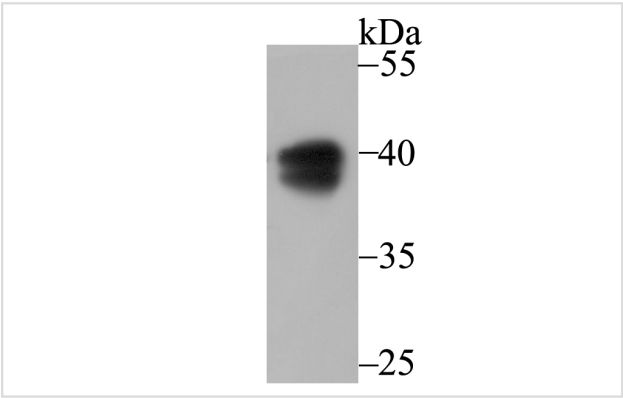
Description

Product Name	PON2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG35-80
Purification	ProA affinity purified
Applications	WB,IHC,IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within human PON2 aa 200-350.
Other Names	A esterase 2 antibody A-esterase 2 antibody Aromatic esterase 2 antibody Paraoxonase 2 antibody Paraoxonase nirs antibody PON 2 antibody PON2 antibody PON2_HUMAN antibody Serum aryldialkylphosphatase 2 antibody Serum paraoxonase/arylesterase 2 antibody
Accession No.	Swiss-Prot#:Q15165
Uniprot	Q15165
GeneID	5445;
Calculated MW	38/39 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

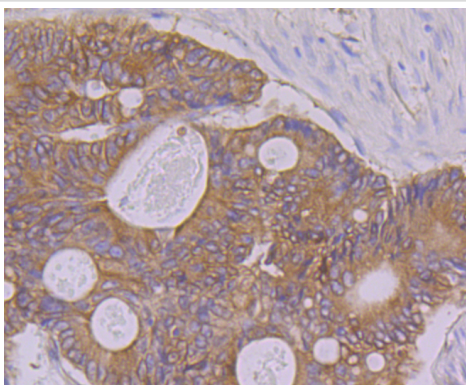
Application Details

WB: 1:500-1:2,000IHC: 1:50-1:200 IP: 1:10-1:50

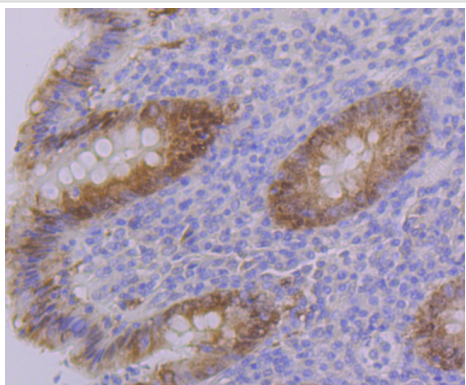
Images



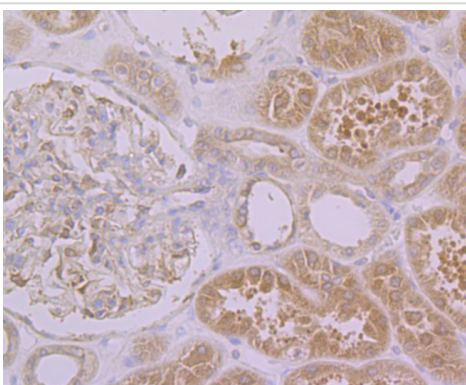
Western blot analysis of PON2 on A549 cell lysate using anti-PON2 antibody at 1/1,000 dilution.



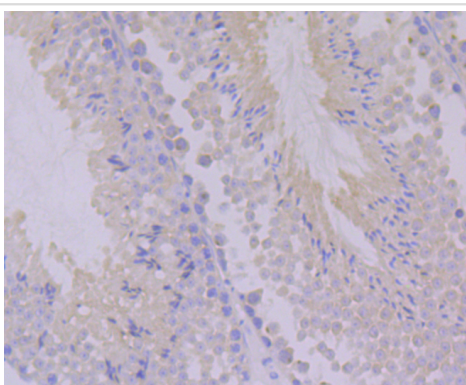
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-PON2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human appendix tissue using anti-PON2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PON2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-PON2 antibody. Counter stained with hematoxylin.

Background

Paroxon is an organophosphorus anticholinesterase compound, used topically in the treatment of glaucoma. It is produced in vivo in mammals by microsomal oxidation of the insecticide parathion. Parathion is inert until transformed to paroxon. Paroxonase (paraoxonase or PON) is an arylesterase that is capable of hydrolyzing paroxon to produce p-nitrophenol. PONs are nonspecific and their classification is based not only on substrate specificity but also on tissue distribution, inhibition properties, and physicochemical characteristics such as electrophoretic mobility and molecular weight. In contrast to PON1, which is expressed mainly in the liver, PON2 is expressed in a variety of mouse tissues, including the pancreas. PON3 is associated with the high density lipoprotein fraction of serum. The genes which encode PON1-3 are physically linked and map to human chromosome 7q21.3.

References

Note: This product is for in vitro research use only