

Anti-PON2 Antibody (3M227)

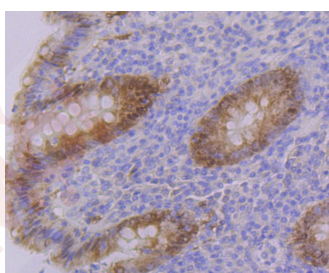
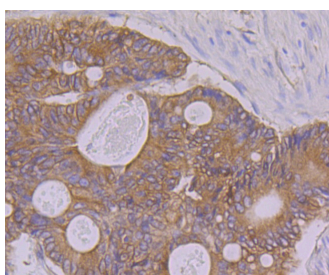
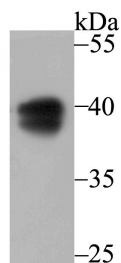
Product Details

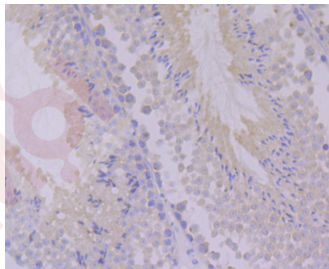
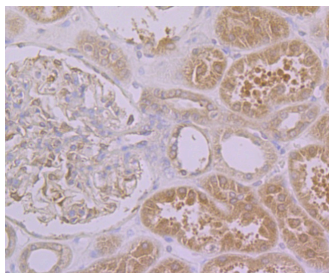
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 38/39 kDa.
Clone:	3M227
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of PON2 on A549 cell lysate using anti-PON2 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-PON2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human appendix tissue using anti-PON2 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PON2 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-PON2 antibody. Counter stained with hematoxylin.





Application: IHC,IP,WB

Recommended WB: 1:500-2000; IHC: 1:50-200; IP: 1:10-50

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human PON2 aa 200-350

Antigen Species: human

Uniprot ID: Q15165

Synonyms: Paraoxonase 2;PON2_HUMAN;PON2;Paraoxonase nirs;A-esterase 2;PON 2;A esterase 2;Serum aryldialkylphosphatase 2;Aromatic esterase 2;Serum paraoxonase/arylesterase 2

Research 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. Paraoxonase (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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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