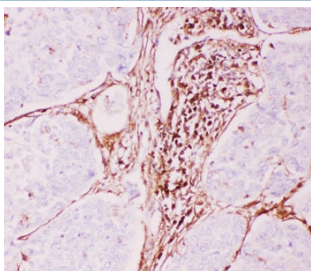


P Glycoprotein Antibody (R30136)

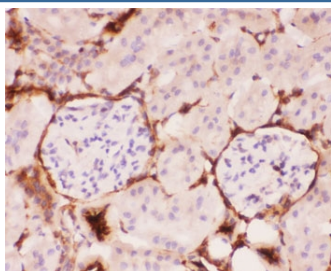
Catalog No.	Formulation	Size
R30136	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

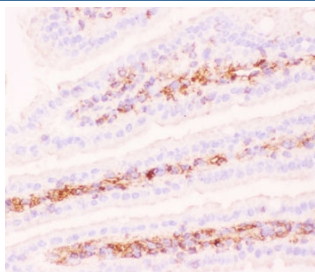
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
Gene ID	5243
Applications	IHC (FFPE) : 0.5-1ug/ml IHC (Frozen) : 0.5-1ug/ml
Limitations	This P Glycoprotein antibody is available for research use only.



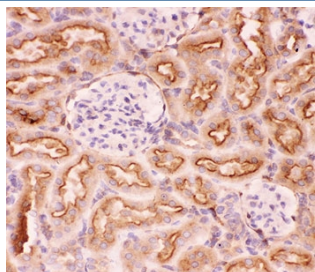
IHC-P: P Glycoprotein antibody testing of human lung cancer tissue



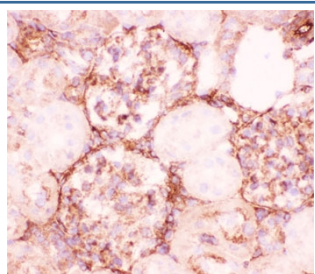
IHC-P: P Glycoprotein antibody testing of mouse kidney tissue



IHC-F testing of mouse intestine tissue



IHC-P: P Glycoprotein antibody testing of rat kidney tissue



IHC-F testing of rat kidney tissue

Description

P Glycoprotein, also called MDR1, P-GP, and PGY1, is a protein that in humans is encoded by the ABCB1 gene. It is mapped to 7q21.12. It is a well-characterized ABC-transporter (which transports a wide variety of substrates across extra- and intracellular membranes) of the MDR/TAP subfamily. It is an important protein of the cell membrane that pumps many foreign substances out of cells. More formally, it is an ATP-dependent drug efflux pump with broad substrate specificity. P Glycoprotein is an ATP-dependent drug efflux pump for xenobiotic compounds with broad substrate specificity. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anticancer drugs. This protein also functions as a transporter in the blood–brain barrier.

Application Notes

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

Immunogen

Amino acids IYFKLVMTQTAGNEVELENAADESKSEIDA were used as the immunogen for this P Glycoprotein antibody.

Storage

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

