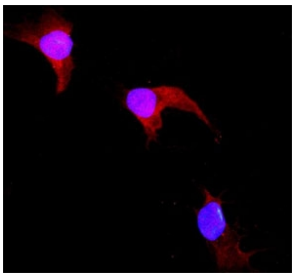
GSTP1 Antibody / GSP pi (R32834)

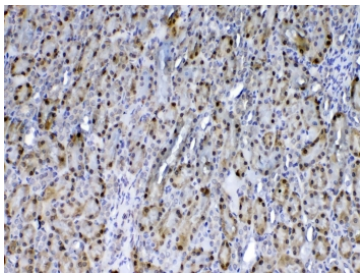
Catalog No.	Formulation	Size
R32834	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

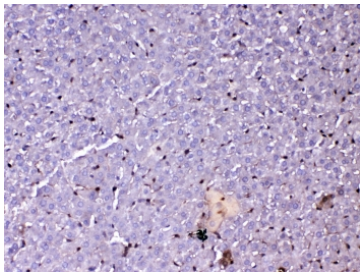
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P04906
Localization	Cytoplasmic, nuclear
Applications	Western Blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Immunofluorescence (FFPE): 5ug/ml Direct ELISA (rat recombinant protein): 0.1-0.5ug/ml (BSA-free formulation available)
Limitations	This GSTP1 antibody is available for research use only.



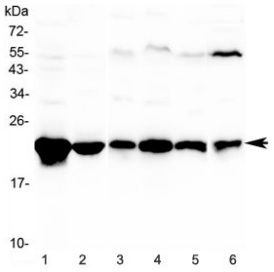
Immunofluorescent staining of FFPE NRK cells (normal rat kidney epithelial cells) with GSTP1 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC testing of FFPE rat kidney tissue with GSTP1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat liver tissue with GSTP1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western blot testing of 1) rat lung, 2) rat liver, 3) mouse lung, 4) mouse liver, 5) mouse spleen and 6) human HeLa lysate with GSTP1 antibody at 0.5ug/ml. Predicted molecular weight ~23 kDa.

Description

Glutathione S-transferases pi (GSTP1), also known as GST3, is an enzyme that in humans is encoded by the GSTP1 gene. This gene is mapped to 11q13.2. GSTP1 has 7 exons and 6 introns contained within approximately 2.8 kilobases. GSTP1 belongs to Glutathione S-transferases (GSTs) which are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. GSTP1 presents in all tissues and cells, with the exception of red cells, in which only erythrocyte GST(GSTe) is observed. What's more, GSTP1 is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases.

Application Notes

Optimal dilution of the GSTP1 antibody should be determined by the researcher.

Immunogen

A recombinant rat protein corresponding to amino acids P2-Q210 was used as the immunogen for the GSTP1 antibody.

Storage

After reconstitution, the GSTP1 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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