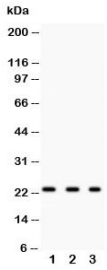
GST pi Antibody / GSTP1 (R30668)

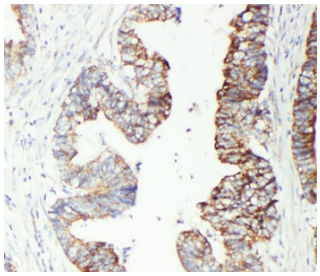
Catalog No.	Formulation	Size
R30668	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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 and 0.025% sodium azide/thimerosal
UniProt	P09211
Localization	Cytoplasmic, nuclear
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This GST pi antibody is available for research use only.



Western blot testing of GST pi antibody and lysate from: 1) rat kidney; 2) human HeLa; 3) human COLO320; Predicted molecular weight ~23 kDa.



IHC-P: GST pi antibody testing of human intestinal cancer tissue.

Description

Glutathione S-transferases pi, also known as GST3 and GSTP1, present in all tissues and cells, with the exception of red cells, in which only GSTe (erythrocyte) is observed. The gene has 7 exons and 6 introns contained within approximately 2.8 kilobases and was mapped to chromosome 11. GST pi mRNA is abundantly expressed in human skin. It does not contribute in vivo to the formation of glutathione conjugates of acetaminophen but plays a novel and unexpected role in the toxicity of this compound.

Application Notes

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

Immunogen

An amino acid sequence from the N-terminus of human GST3/GST pi (RGRCAALRMLLADQGQSWKEE) was used as the immunogen for this GST pi antibody.

Storage

After reconstitution, the GST pi 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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