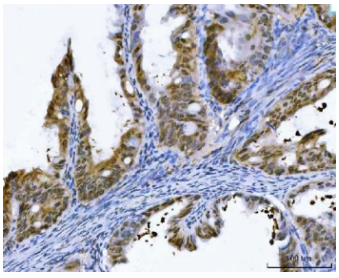
GST pi Antibody / GSTP1 (R30217)

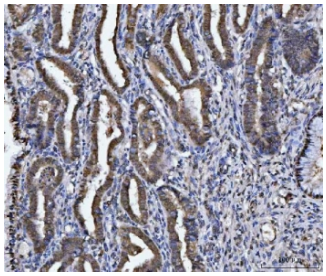
Catalog No.	Formulation	Size
R30217	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

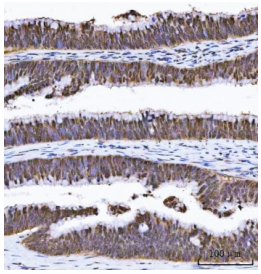
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P09211
Localization	Cytoplasmic, nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml
Limitations	This GST pi antibody is available for research use only.



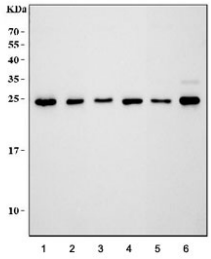
IHC staining of FFPE human ovarian cancer tissue with GST pi antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE moderately differentiated human adenocarcinoma of the cervical canal tissue with GST pi antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE moderately differentiated highly differentiated human adenocarcinoma of the colon tissue with GST pi antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human 293T, 3) human Jurkat, 4) rat lung 5) mouse lung and 6) mouse liver tissue lysate with GST pi antibody. Predicted molecular weight ~23 kDa.

Description

Glutathione S-transferases pi, also known as GST pi, GSTP1 and GST3, is present in all tissues and cells, with the exception of red cells, in which only erythrocyte GST(GSTe) is observed. The gene has 7 exons and 6 introns contained within approximately 2.8 kilobases. It is mapped to chromosome 11 . Placental glutathione-S-transferase-pi mRNA is abundantly expressed in human skin. GST pi 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

Amino acids PEYVNLPINGNGKQ were 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.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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