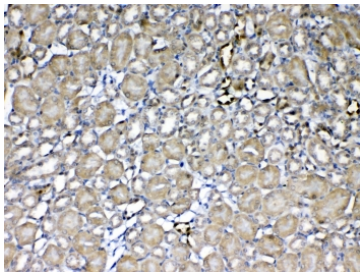
# GST pi Antibody / GSTP1 (R32833)

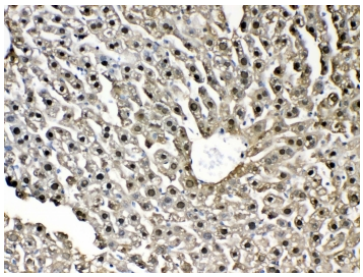
| Catalog No. | Formulation | Size |
|---|---|---|
| R32833 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

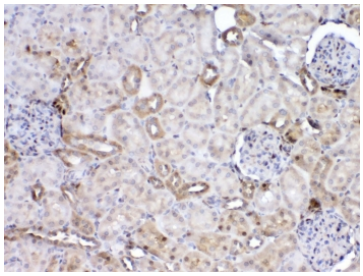
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide |
| **UniProt** | P19157 |
| **Localization** | Cytoplasmic, nuclear |
| **Applications** | Western Blot : 0.5-1ug/ml<br>IHC (FFPE) : 1-2ug/ml<br>Direct ELISA (mouse Recombinant Protein) : 0.1-0.5ug/ml (BSA-free formulation available) |
| **Limitations** | This GST pi antibody is available for research use only. |



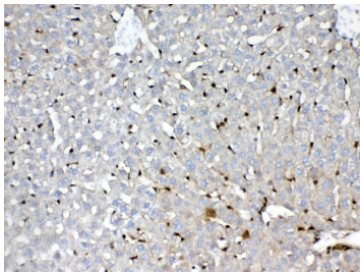
IHC testing of FFPE mouse kidney tissue with GST pi antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



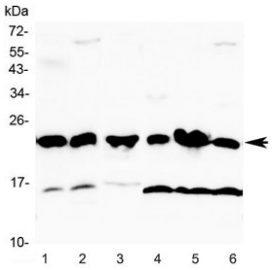
IHC testing of FFPE mouse liver tissue with GST pi antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat kidney tissue with GST pi 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 GST pi 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) mouse lung, 2) mouse testis, 3) rat spleen 4) human A549, 5) human placenta and 6) human HeLa lysate with GST pi 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 GST pi antibody should be determined by the researcher.

## Immunogen

A recombinant mouse protein corresponding to amino acids P2-Q210 was used as the immunogen for the 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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