

**GSTP1 / GST Pi Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS12975****Specification**

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**GSTP1 / GST Pi Antibody (Internal) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IF, IHC            |
| Primary Accession | <a href="#">P09211</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 23kDa KDa              |

**GSTP1 / GST Pi Antibody (Internal) - Additional Information****Gene ID** 2950**Other Names**

Glutathione S-transferase P, 2.5.1.18, GST class-pi, GSTP1-1, GSTP1, FAEES3, GST3

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

GSTP1 / GST Pi Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**GSTP1 / GST Pi Antibody (Internal) - Protein Information****Name** GSTP1 ([HGNC:4638](#))**Synonyms** FAEES3, GST3**Function**

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2) and prostaglandin J2 (PGJ2) (PubMed:<a href="http://www.uniprot.org/citations/9084911" target="\_blank">9084911</a>). Participates in the formation of novel hepoxilin regioisomers (PubMed:<a href="http://www.uniprot.org/citations/21046276" target="\_blank">21046276</a>). Negatively regulates CDK5 activity via p25/p35 translocation to prevent neurodegeneration.

**Cellular Location**

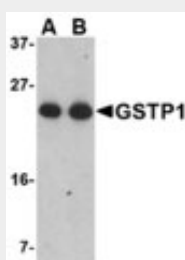
Cytoplasm. Mitochondrion. Nucleus. Note=The 83 N-terminal amino acids function as un-cleaved transit peptide, and arginine residues within it are crucial for mitochondrial localization

**GSTP1 / GST Pi Antibody (Internal) - Protocols**

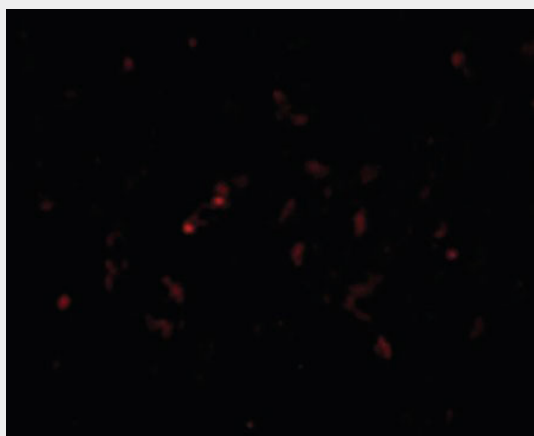
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

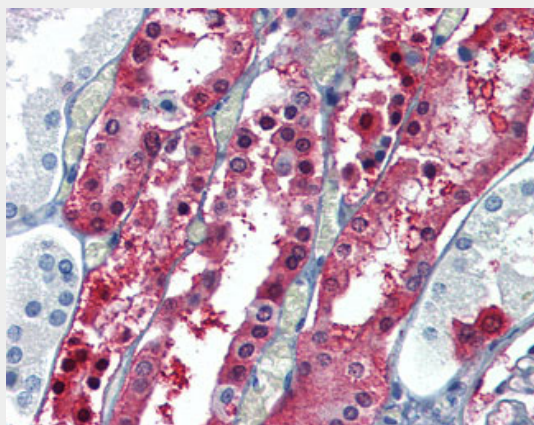
#### **GSTP1 / GST Pi Antibody (Internal) - Images**



Western blot of GSTP1 in Jurkat cell lysate with GSTP1 antibody at (A) 0.5 and (B) 1 ug/ml.



Immunofluorescence of GSTP1 in Human Lung cells with GSTP1 antibody at 20 ug/ml.



Anti-GSTP1 antibody IHC of human kidney.

#### **GSTP1 / GST Pi Antibody (Internal) - Background**

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Regulates negatively CDK5 activity via p25/p35 translocation to prevent neurodegeneration.

#### **GSTP1 / GST Pi Antibody (Internal) - References**

Kano T.,et al.Cancer Res. 47:5626-5630(1987).  
Cowell I.G.,et al.Biochem. J. 255:79-83(1988).  
Morrow C.S.,et al.Gene 75:3-11(1989).  
Moscow J.A.,et al.Cancer Res. 49:1422-1428(1989).  
Bora P.S.,et al.Submitted (JUL-1994) to the EMBL/GenBank/DDBJ databases.