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# GST3 Rabbit mAb

Catalog # AP75521

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, IHC-F, ICC |
| **Primary Accession** | P09211 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Calculated MW** | 23356 |

## Additional Information

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|---|---|
| **Gene ID** | 2950 |
| **Other Names** | GSTP1 |
| **Dilution** | WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A |
| **Format** | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

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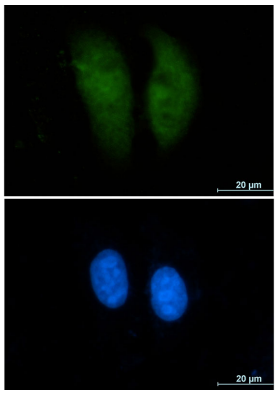
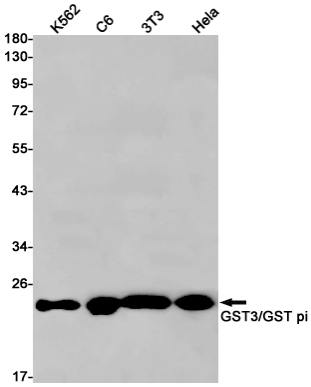
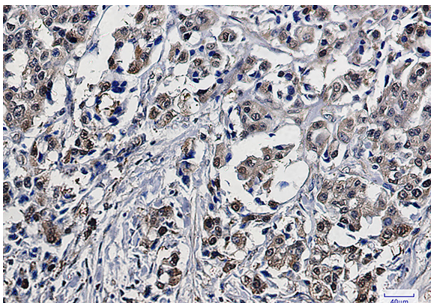
|---|---|
| **Name** | GSTP1 ( HGNC:4638) |
| **Synonyms** | FAEES3, GST3 |
| **Function** | Catalyzes conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles (PubMed:1540159, PubMed:1567427, PubMed:8433974). Involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2) and prostaglandin J2 (PGJ2) (PubMed:9084911). Participates in the formation of novel hepoxilin regioisomers (PubMed:21046276). Acts as a negative regulator of ferroptosis by mediating glutathione conjugation and detoxification of 4-hydroxynonenal (4-HNE) reactive aldehyde (PubMed:38016474). Negatively regulates CDK5 activity via p25/p35 translocation to prevent neurodegeneration (PubMed:21668448). |
| **Cellular Location** | Cytoplasm. Mitochondrion. Nucleus. Note=The 83 N-terminal amino acids function as un uncleaved transit peptide, and arginine residues within it are crucial for mitochondrial localization |

## Images



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