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# Product datasheet for TA801776

## GST3 (GSTP1) Mouse Monoclonal Antibody [Clone ID: OTI10H1]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | OTI10H1 |
| **Applications:** | IHC, WB |
| **Recommend Dilution:** | WB 1:2000, IHC 1:150 |
| **Reactivity:** | Human |
| **Host:** | Mouse |
| **Isotype:** | IgG2a |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Full length human recombinant protein of human GSTP1 (NP_000843) produced in E.coli. |
| **Formulation:** | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration:** | 1 mg/ml |
| **Purification:** | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| **Predicted Protein Size:** | 23.2 kDa |
| **Gene Name:** | glutathione S-transferase pi 1 |
| **Database Link:** | NP_000843 Entrez Gene 2950 Human |
| **Background:** | Glutathione S-transferases (GSTs) 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. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member 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. [provided by RefSeq, Jul 2008] |
| **Synonyms:** | DFN7; FAEES3; GST3; GSTP; HEL-S-22; PI |
| **Protein Families:** | Druggable Genome |
| **Protein Pathways:** | Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450, Pathways in cancer, Prostate cancer |

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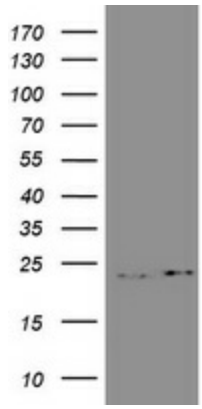
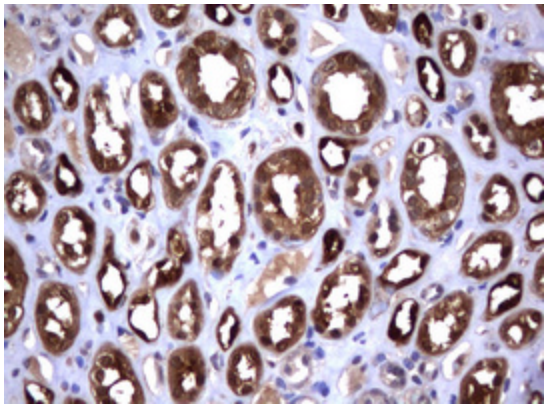
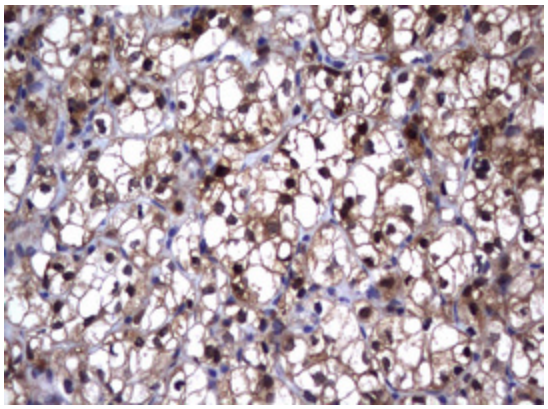
## Product images:



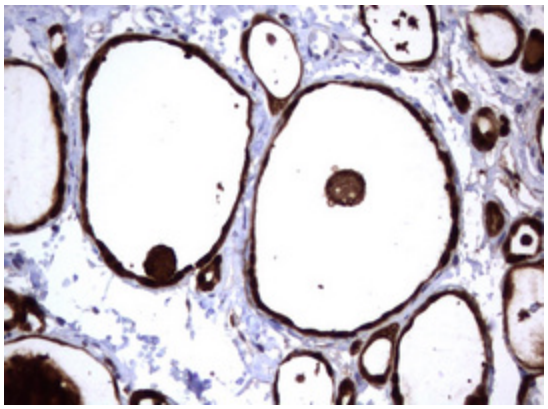

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GSTP1 ([RC203086], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GSTP1. Positive lysates [LY400300] (100ug) and [LC400300] (20ug) can be purchased separately from OriGene.



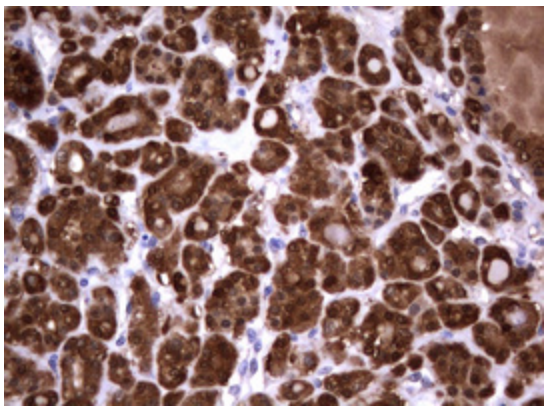
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-GSTP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801776)



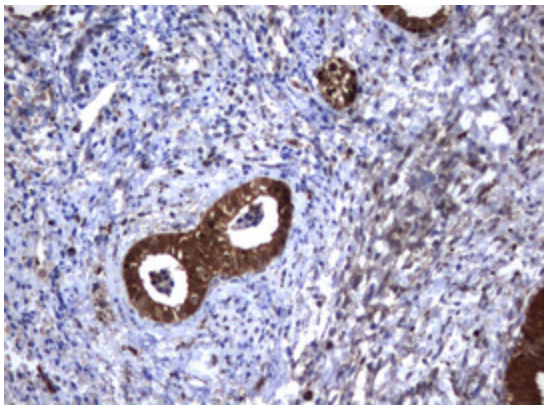
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-GSTP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801776)



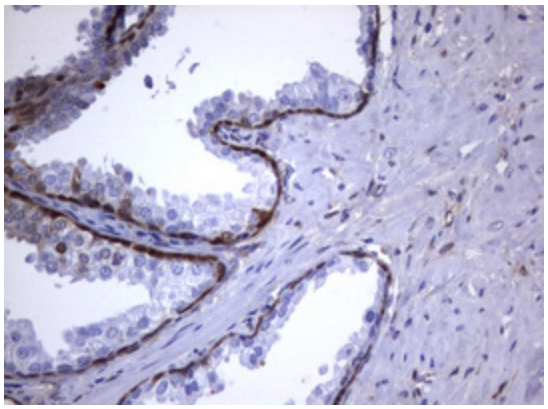
Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-GSTP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801776)



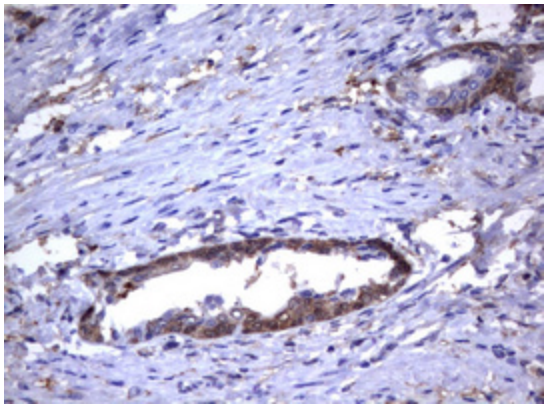
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-GSTP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801776)



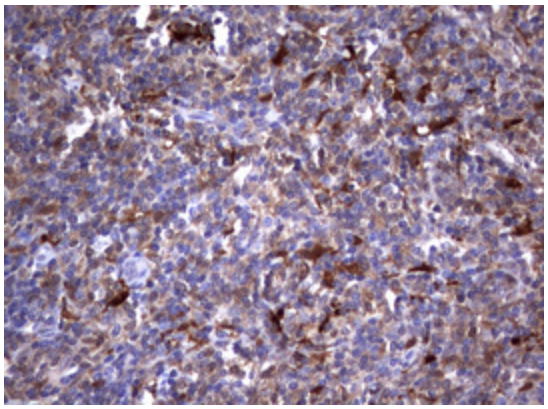
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-GSTP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801776)



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-GSTP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801776)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-GSTP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801776)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-GSTP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801776)