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Product datasheet for CF501832

Glutathione S Transferase theta 2 (GSTT2) Mouse Monoclonal Antibody [Clone ID: OTI3B6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3B6
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GSTT2(NP_000845) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	27.3 kDa
Gene Name:	glutathione S-transferase theta 2 (gene/pseudogene)
Database Link:	NP_000845 Entrez Gene 2953 Human P0CG29

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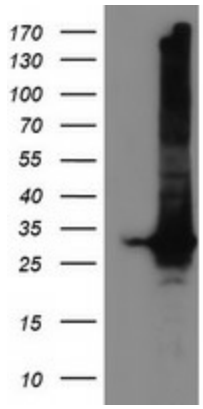
Background: Glutathione S-transferase (GSTs) theta 2 (GSTT2) is a member of a superfamily of proteins that catalyze the conjugation of reduced glutathione to a variety of electrophilic and hydrophobic compounds. Human GSTs can be divided into five main classes: Alpha, Mu, Pi, Theta, and Zeta. The theta class members GSTT1 and GSTT2 share 55% amino acid sequence identity and both are thought to have an important role in human carcinogenesis. The theta genes have a similar structure, being composed of five exons with identical exon/intron boundaries. [provided by RefSeq]

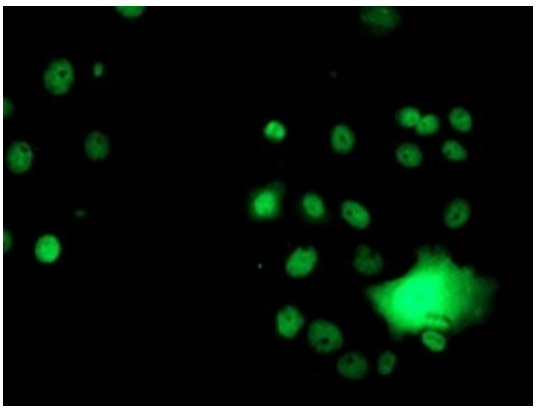
Synonyms: GSTT2B

Protein Pathways: Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450

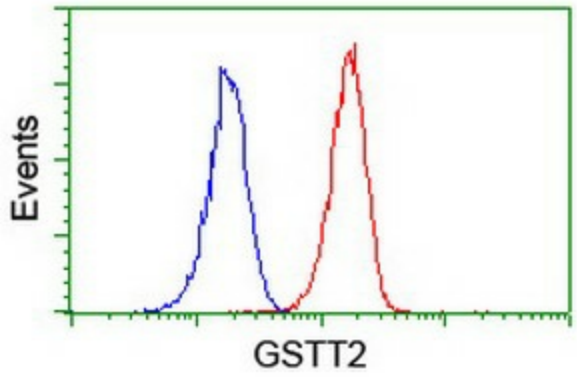
Product images:



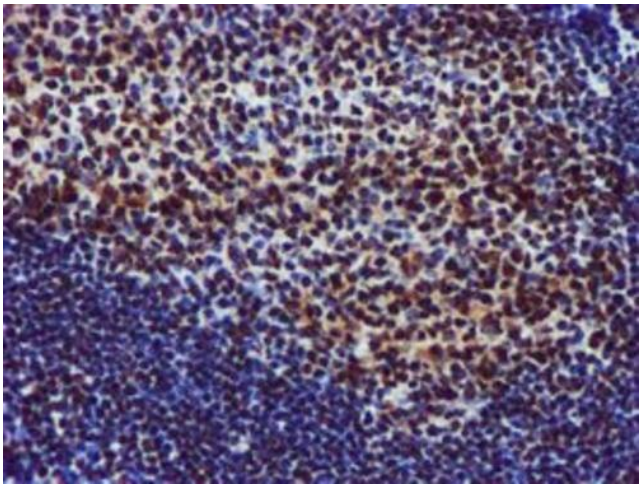
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY GSTT2 (Cat# [RC200040], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GSTT2(Cat# [TA501832]). Positive lysates [LY424485] (100ug) and [LC424485] (20ug) can be purchased separately from OriGene.



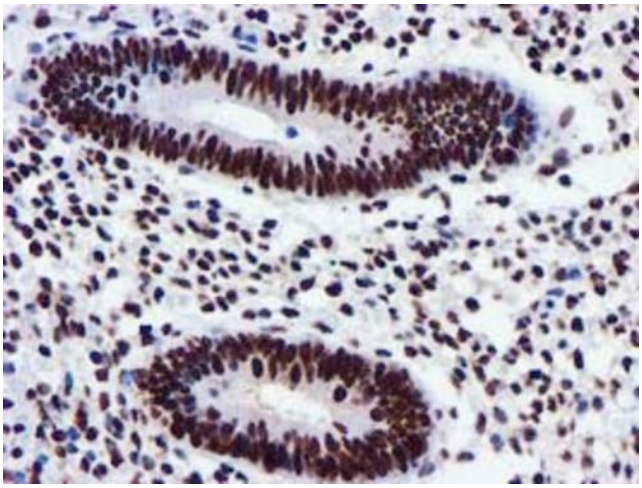
Anti-GSTT2 mouse monoclonal antibody ([TA501832]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY GSTT2 ([RC200040]).



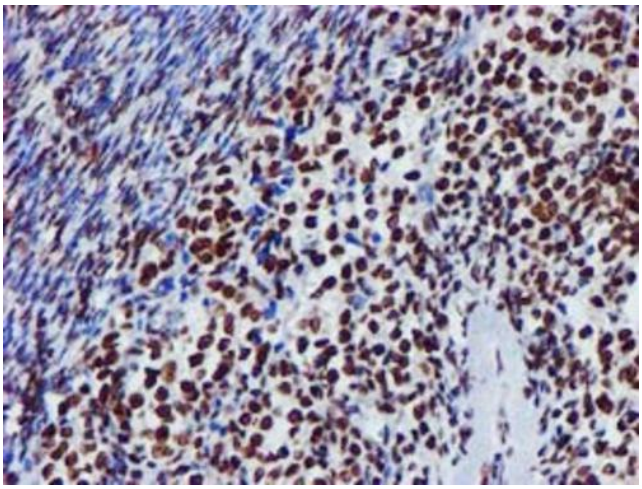
Flow cytometric Analysis of Jurkat cells, using anti-GSTT2 antibody ([TA501832]), (Red), compared to a nonspecific negative control antibody, (Blue).



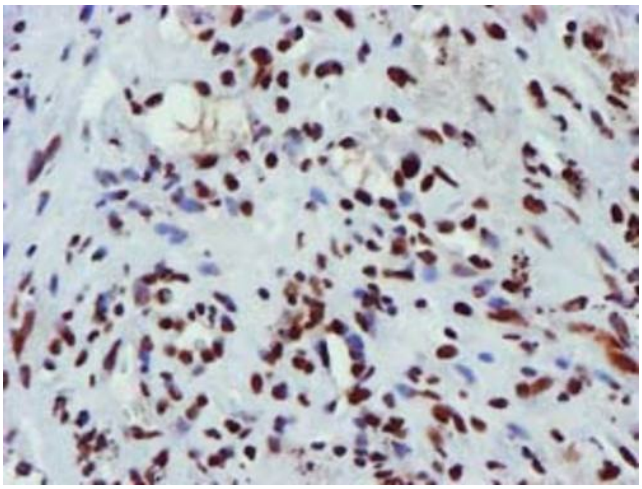
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-GSTT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501832])



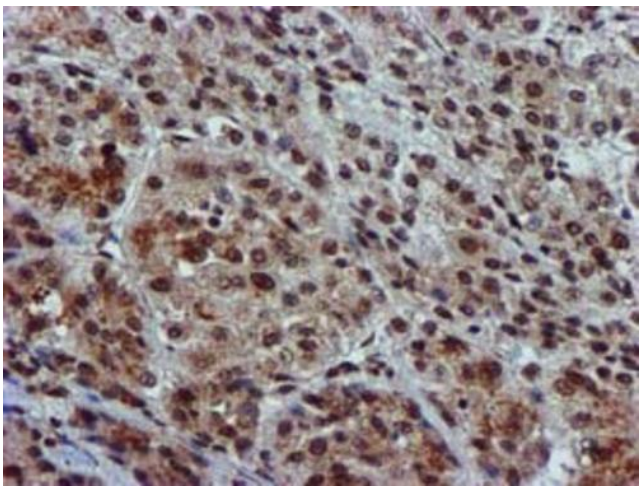
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-GSTT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501832])



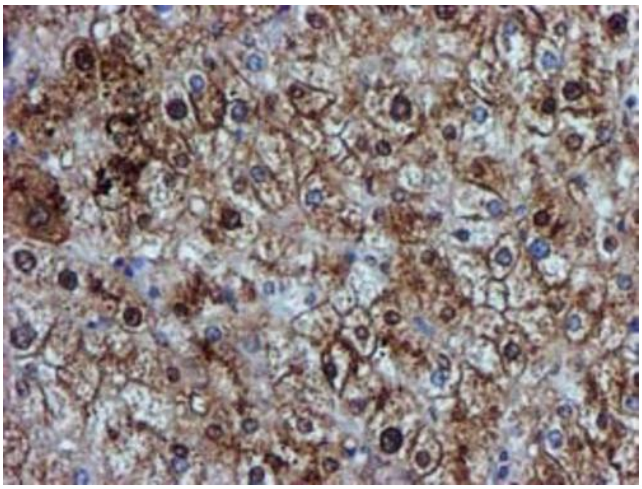
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-GSTT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501832])



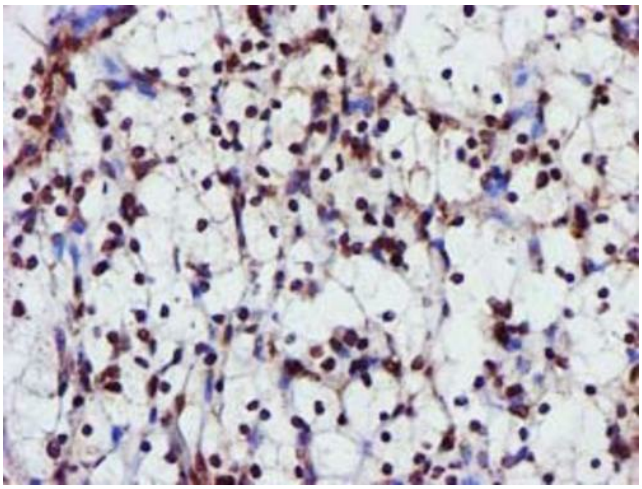
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-GSTT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501832])



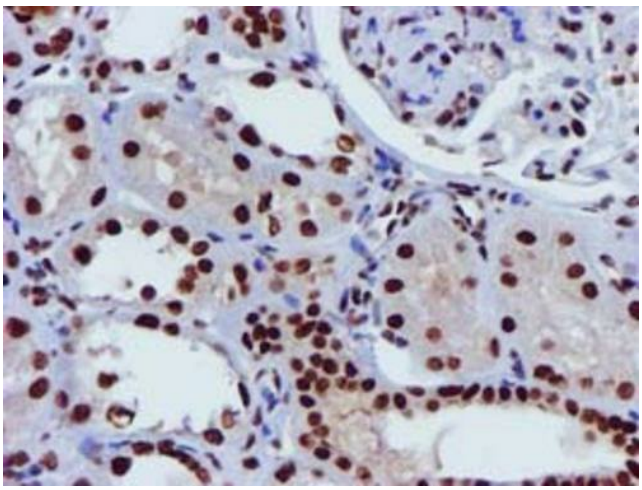
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-GSTT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501832])



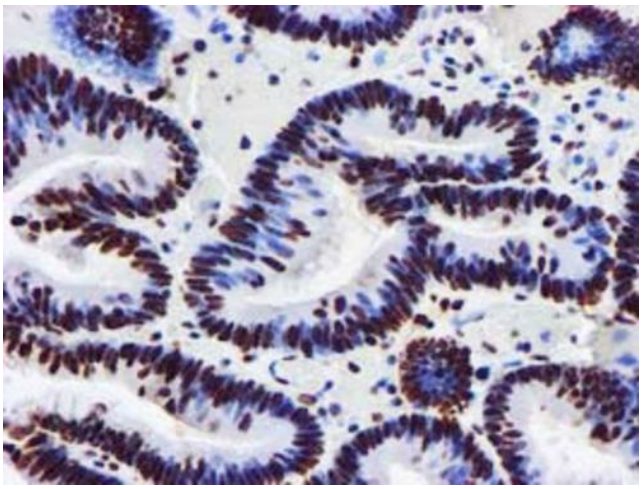
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-GSTT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501832])



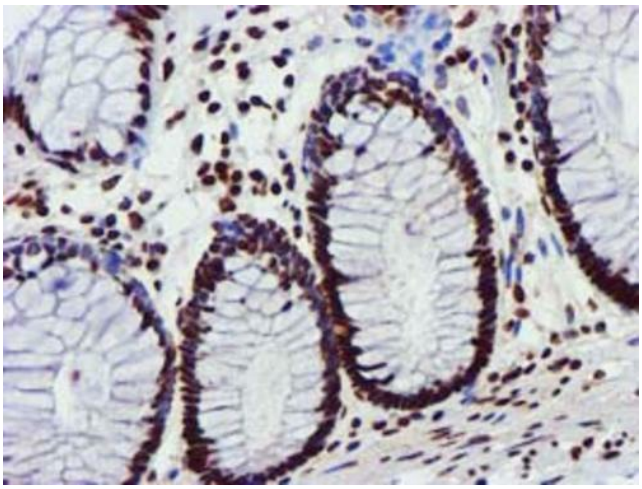
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-GSTT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501832])



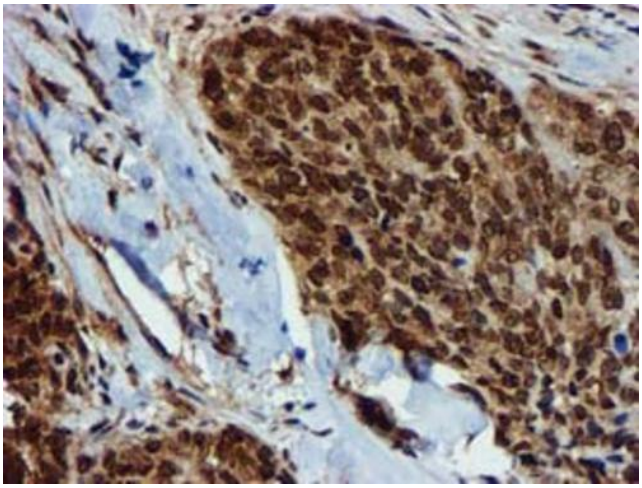
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-GSTT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501832])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-GSTT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501832])



Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-GSTT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501832])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-GSTT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501832])