

## Product datasheet for **TA504087**

### **GSTO2 Mouse Monoclonal Antibody [Clone ID: OTI3A9]**

#### **Product data:**

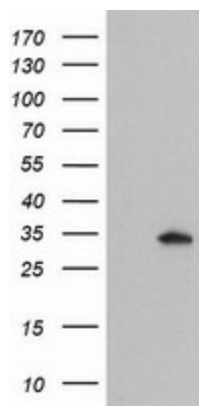
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI3A9
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	WB 1:500~2000, IHC 1:150
<b>Reactivity:</b>	Human, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human GSTO2(NP_899062) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.62 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	28.1 kDa
<b>Gene Name:</b>	glutathione S-transferase omega 2
<b>Database Link:</b>	<a href="#">NP_899062</a> <a href="#">Entrez Gene 309465 Rat</a> <a href="#">Entrez Gene 119391 Human</a> <a href="#">Q9H4Y5</a>
<b>Background:</b>	The protein encoded by this gene is an omega class glutathione S-transferase (GST). GSTs are involved in the metabolism of xenobiotics and carcinogens. Four transcript variants encoding different isoforms have been found for this gene.
<b>Synonyms:</b>	bA127L20.1; GSTO 2-2



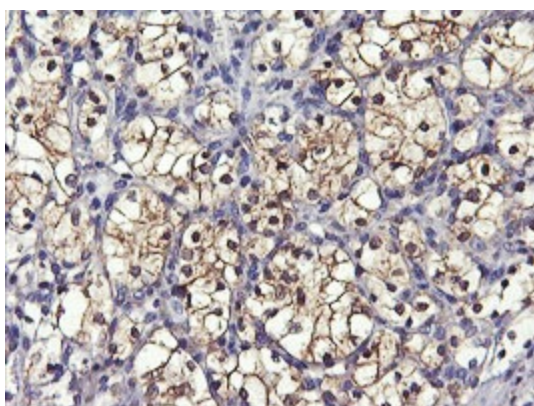
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**Protein Pathways:** Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450

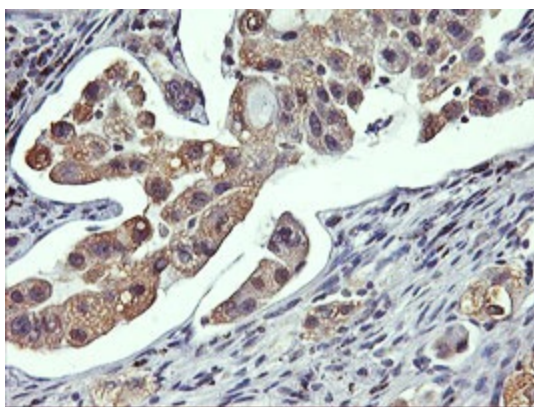
**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GSTO2 ([RC208961], 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-GSTO2. Positive lysates [LY405234] (100ug) and [LC405234] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-GSTO2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504087)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-GSTO2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504087)