

## Monoclonal Antibody to GST - Purified

<b>Alternate names:</b>	Glutathione-S-Transferase
<b>Catalog No.:</b>	TA328084
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	GST catalyzes the conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles, resulting in the detoxification of these compounds. Human GST molecules are classified into four families: alpha, mu, pi, and theta. GST is commonly used as a tag to create fusion proteins in order to facilitate purification and detection of these proteins of interest.
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Recommended Isotype Controls:</b>	SM12P, AM03110PU-N
<b>Clone:</b>	P1A12
<b>Immunogen:</b>	Recombinant full length GST
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Purification:</b> Affinity Chromatography <b>Buffer System:</b> PBS, pH 7.2 <b>Preservatives:</b> 0.09% Sodium Azide
<b>Applications:</b>	<b>Western blot:</b> Use 5 µg per 5 ml antibody dilution buffer for each mini-gel (See also Reference 1). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Molecular Weight:</b>	22-29 kDa (Predicted)
<b>Specificity:</b>	This antibody recognizes GST.
<b>Storage:</b>	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b> Shelf life: one year from despatch.
<b>General Readings:</b>	1. Nicol C, Bunka DH, Blair GE, Stonehouse NJ. Effects of single nucleotide changes on the binding and activity of RNA aptamers to human papillomavirus 16 E7 oncoprotein. Biochem Biophys Res Commun. 2011 Feb 18;405(3):417-21. doi: 10.1016/j.bbrc.2011.01.044. Epub 2011 Jan 14. PubMed PMID: 21238427.

**Pictures:**

Western blot analysis of recombinant GST protein from E. coli, using anti-GST, clone P1A12.

