

Monoclonal Antibody to GST - Purified

Alternate names:	Glutathione-S-Transferase
Catalog No.:	AM33112PU-S
Quantity:	25 µg
Concentration:	0.5 mg/ml
Background:	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.
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12P, AM03110PU-N
Clone:	P1A12
Immunogen:	Recombinant full length GST
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography Buffer System: PBS, pH 7.2 Preservatives: 0.09% Sodium Azide
Applications:	Western blot: 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.
Molecular Weight:	22-29 kDa (Predicted)
Specificity:	This antibody recognizes GST.
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.
General Readings:	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. <i>Biochem Biophys Res Commun.</i> 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.

