

#2622
 Store at -20C

GST-Tag Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP	Reactivity: All	Sensitivity: Transfected Only	Source: Rabbit
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Product Usage Information	<p>Application</p> <p>Western Blotting</p> <p>Immunoprecipitation</p>	<p>Dilution</p> <p>1:1000</p> <p>1:50</p>
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	GST-Tag Antibody detects transfected GST fusion proteins.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a GST fusion protein. Antibodies are purified by protein A and GST affinity chromatography.	
Background	<p>Epitope tags are useful for the labeling and detection of proteins using immunoblotting, immunoprecipitation, and immunostaining techniques. Because of their small size, they are unlikely to affect the tagged protein's biochemical properties.</p> <p>Glutathione S-transferase (GST) is a widely used fusion partner, since it provides both an easily detectable Tag and a simple purification process with little effect on the biological function of the protein of interest. Numerous vectors containing GST-Tag have been developed for both prokaryotic and eukaryotic systems over the past decade (1-3).</p>	
Background References	<ol style="list-style-type: none"> 1. Guan, K.L. and Dixon, J.E. (1991) <i>Anal Biochem</i> 192, 262-7. 2. Davies, A.H. et al. (1993) <i>Biotechnology (N Y)</i> 11, 933-6. 3. Yu, J. et al. (1998) <i>Mol Cell Biol</i> 18, 1379-87. 	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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