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#5475

## GST-Tag (91G1) Rabbit mAb (HRP Conjugate)

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

Applications:	Reactivity:	Sensitivity:	Source/Isotype:
W	All	Transfected Only	Rabbit IgG

Product Usage Information	Application	Dilution
<b>Storage</b>	Western Blotting	1:1000
<b>Specificity/Sensitivity</b>	Supplied in 140 mM NaCl, 3 mM KCl, 10 mM sodium phosphate (pH 7.4) dibasic, 2 mM potassium phosphate monobasic, 2 mg/mL BSA, and 50% glycerol. Store at -20°C. <i>Do not aliquot the antibody.</i>	
<b>Source / Purification</b>	GST-Tag (91G1) Rabbit mAb (HRP Conjugate) detects transfected GST fusion proteins.	
<b>Description</b>	Monoclonal antibody is produced by immunizing animals with a GST fusion protein.	
<b>Background</b>	This Cell Signaling Technology antibody is conjugated to the carbohydrate groups of horseradish peroxidase (HRP) via its amine groups. The HRP conjugated antibody is expected to exhibit the same species cross-reactivity as the unconjugated GST-Tag (91G1) Rabbit mAb #2625.	
<b>Background References</b>	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.	
	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).	
	<ol style="list-style-type: none"> <li>1. Guan, K.L. and Dixon, J.E. (1991) <i>Anal Biochem</i> 192, 262-7.</li> <li>2. Davies, A.H. et al. (1993) <i>Biotechnology (N Y)</i> 11, 933-6.</li> <li>3. Yu, J. et al. (1998) <i>Mol Cell Biol</i> 18, 1379-87.</li> </ol>	

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	<b>IMPORTANT:</b> For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
<b>Applications Key</b>	<b>W:</b> Western Blotting
<b>Cross-Reactivity Key</b>	<b>All:</b> All Species Expected
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