

#7077 Store at -20C

Anti-rat IgG, HRP-linked Antibody



Cell Signaling
TECHNOLOGY®

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

Applications: WB	Reactivity: R	Source/Isotype: Goat
Product Usage Information	Recommended Antibody Dilutions: 1:1000–1:3000 20X LumiGLO® Reagent and 20X Peroxide #7003 1:1K–1:3K SignalFire™ ECL Reagent #6883 1:1K–1:3K SignalFire™ Plus ECL Reagent #12630 1:5K–1:15K SignalFire™ Elite ECL Reagent #12757 1:10K–1:20K	
Storage	Supplied in 10mM sodium HEPES (pH 7.5), 150 mM NaCl, 2 mg/ml bovine serum albumin (BSA) and 50% glycerol. Store at –20°C. Do not aliquot the antibodies. This product is stable for 60 months when stored at –20°C.	
Specificity / Sensitivity		
Product Description	Affinity purified goat anti-rat IgG (heavy and light chain) antibody is conjugated to horseradish peroxidase(HRP) for chemiluminescent detection. This product is thoroughly validated with CST primary antibodies and will work optimally with the CST western immunoblotting protocol, ensuring accurate and reproducible results.	
Background	Chemiluminescence systems have emerged as the best all-around method for western blot detection. They eliminate the hazards associated with radioactive materials and toxic chromogenic substrates. The speed and sensitivity of these methods are unequalled by traditional alternatives, and because results are generated on film, it is possible to record and store data permanently. Blots detected with chemiluminescent methods are easily stripped for subsequent reprobing with additional antibodies. HRP-conjugated secondary antibodies are utilized in conjunction with specific chemiluminescent substrates to generate the light signal. HRP conjugates have a very high turnover rate, yielding good sensitivity with short reaction times.	
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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.	
Applications Key	WB: Western Blotting	
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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