

#49620 Store at -20C

Digoxigenin (D8Q9J) Rabbit mAb (HRP Conjugate)**Cell Signaling**
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB	Sensitivity: Transfected Only	Source/Isotype: Rabbit IgG
Product Usage Information	Application Western Blotting	Dilution 1:20000
Storage	Supplied in 136 mM NaCl, 2.6 mM KCl, 12 mM sodium phosphate (pH 7.4) dibasic, 2 mg/ml BSA, and 50% glycerol. Store at -20°C. Do not aliquot the antibodies.	
Specificity / Sensitivity	Digoxigenin (D8Q9J) Rabbit mAb (HRP Conjugate) recognizes digoxigenin conjugated molecules.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with KLH-conjugated digoxigenin.	
Product Description	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 Digoxigenin (D8Q9J) Rabbit mAb #14682.	
Background	Digoxigenin (DIG) is a highly immunogenic steroid derived from "foxglove" plants of the genus <i>Digitalis</i> (1). This small hapten molecule can be covalently linked to proteins, nucleic acids, compounds, and glycans. Antibodies targeted against the DIG hapten display high binding affinity to DIG-conjugated molecules and can be used in molecular biology assays, including <i>in situ</i> hybridization, western blot, ELISA, and TUNEL assays (2-4).	
Background References	1. Cardwell, H.M. and Smith, S. (1953) <i>Experientia</i> 9, 367-8. 2. Kessler, C. (1991) <i>Mol Cell Probes</i> 5, 161-205. 3. Tian, F. et al. (2010) <i>Autophagy</i> 6, 1107-14. 4. Lin, L. et al. (2011) <i>J Virol Methods</i> 171, 91-7.	
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	
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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