

**Digoxigenin (D8Q9J) Rabbit mAb**

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

Applications: W	Reactivity: All	Sensitivity: Transfected Only	Source/Isotype: Rabbit IgG
<b>Product Usage Information</b>	<b>Application</b> Western Blotting		<b>Dilution</b> 1:20000
<b>Storage</b>	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.		
<b>Specificity/Sensitivity</b>	Digoxigenin (D8Q9J) Rabbit mAb recognizes digoxigenin conjugated molecules.		
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with KLH-conjugated digoxigenin.		
<b>Background</b>	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).		
<b>Background References</b>	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.		
<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>	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.		
<b>Applications Key</b>	<b>W:</b> Western Blotting		
<b>Cross-Reactivity Key</b>	<b>All:</b> All Species Expected		
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