

## Phospho-PKCθ (Thr538) Antibody



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

<b>Applications:</b> W, W-S	<b>Reactivity:</b> H R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 79	<b>Source/Isotype:</b> Rabbit	UniProt ID: #Q04759	Entrez-Gene Id: 5588
Product Usage Information		<b>Application</b> Western Blotting Simple Western™	<b>Dilution</b> 1:1000 1:50 - 1:250			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-PKCtheta (Thr538) Antibody detects endogenous levels of PKCtheta only when phosphorylated at Thr538.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Thr538 of human PKCtheta. Antibodies are purified by protein A and peptide affinity chromatography.				
Background						
Background References		2. Keranen, L.M. et al. 3. Mellor, H. and Parke 4. Ron, D. and Kazanie 5. Moscat, J. and Diaz- 6. Baron, C.L. and Mal 7. Flynn, P. et al. (2000	1984) <i>Nature</i> 308, 693-8.  et al. (1995) <i>Curr Biol</i> 5, 1394-403.  Parker, P.J. (1998) <i>Biochem J</i> 332 ( Pt 2), 281-92.  zanietz, M.G. (1999) <i>FASEB J</i> 13, 1658-76.  Diaz-Meco, M.T. (2000) <i>EMBO Rep</i> 1, 399-403.  d Malhotra, V. (2002) <i>Science</i> 295, 325-8.  (2000) <i>J Biol Chem</i> 275, 11064-70.  al. (2007) <i>FEBS Lett</i> 581, 3494-8.			

**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 W:** Western Blotting **W-S:** Simple Western™

**Cross-Reactivity Key** H: Human R: Rat Mk: Monkey

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