Applications Key

Cross-Reactivity Key

Trademarks and Patents

Phospho-Rev-erba (Ser55/59) Antibody



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Applications: W	Reactivity: H	Sensitivity: Transfected Only	MW (kDa): 80	Source/Isotype: Rabbit	UniProt ID: #P20393	Entrez-Gene Id 9572
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-Rev-erb α (Ser55/59) Antibody detects transfected levels of Rev-erb α protein when phosphorylated at Ser55/59. The antibody does not cross-react with other nuclear receptor proteins, including Rev-erb β .				
Species predicte based on 100% : homology		Mouse, Rat, Bovine				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser55 and Ser59 of human Rev-erbα. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		orphan nuclear recept muscle, brain and liver during differentiation differentiation of 3T3-l and Rev-erbα regulate rhythm (3-7). Phospho protein levels and is in regulates inflammation activation function 2 d members of the nuclea	or family of proteing and regulates celon adipocytes and cells (2). In addition of BN rylation of Reverbaportant for synchion by targeting the omain required for receptor family;	rbα, EAR-1, or NR1D1) is as (1). Rev-erbα is highly ular proliferation and diectopic expression of Reion, expression oscillate AL1, ApoA-I and ApoC-II a Ser55 and Ser59 by GS conizing and maintaining NF-κB responsive genes I ligand-dependent active thus it behaves as a con)/HDAC3 complex to targets.	expressed in adipo ifferentiation. Expre v-erbα potentiates is with circadian rhy II, all key regulators SK-3β appears to sta g the circadian cloc IL-6 and COX-2 (9). ration of transcripti istitutive repressor	se tissue, skeletal ession increases the adipocyte thm in liver cells s of circadian abilize Rev-erbα k (8). Rev-erbα also Rev-erbα lacks the on by other protein, recruiting
Background References		1. Harding, H.P. and La 2. Chawla, A. and Lazar 3. Torra, I.P. et al. (2000 4. Preitner, N. et al. (20 5. Vu-Dac, N. et al. (1996) 6. Coste, H. and Rodríg 7. Raspé, E. et al. (2002) 8. Yin, L. et al. (2006) 9. Migita, H. et al. (2001) 10. Yin, L. and Lazar, M	r, M.A. (1993) <i>J Biol</i> D) <i>Endocrinology</i> 1- 02) <i>Cell</i> 110, 251-6 P8) <i>J Biol Chem</i> 273 Juez, J.C. (2002) <i>J Bi</i> L) <i>J Lipid Res</i> 43, 21 Ccience 311, 1002-5 4) <i>FEBS Lett</i> 561, 6	Chem 268, 16265-9. 41, 3799-806. 5. 7, 25713-20. 61 Chem 277, 27120-9. 62-74.		
Species Reactivity		Species reactivity is determined by testing in at least one approved application (e.g., western blot).				
Western Blot Buffer		IMPORTANT: For wester TBS, 0.1% Tween® 20 a		membrane with diluted	primary antibody i	n 5% w/v BSA, 1X

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W: Western Blotting

H: Human

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