ATP-Citrate Lyase Antibody



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

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 125	Source/Isotype: Rabbit	UniProt ID: #P53396	Entrez-Gene Id: 47
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		ATP-Citrate Lyase Antibody detects endogenous levels of total ATP-citrate lyase.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues of human ATP-citrate lyase. Antibodies are purified by protein A and peptide affinity chromatography				
Background		(OAA) in the cytosol, w acetylcholine, as well and phosphorylation Ser455 of ATP-citrate	which is the key step as for gluconeogen of ATP-citrate lyase lyase has been repo er455 abolishes the	r that catalyzes the form o for the biosynthesis of lesis (1). Nutrients and h (1,2). It is phosphorylate orted to be phosphorylate homotropic allosteric re	fatty acids, choleste ormones regulate t ed by GSK-3 on Thr4 ted by PKA and Akt	erol, and he expression level 146 and Ser450 (3). (4,5).
Background References		1. Towle, H.C. et al. (19 2. Potapova, I.A. et al. 3. Hughes, K. et al. (19 4. Pierce, M.W. et al. (1 5. Berwick, D.C. et al. ((2000) <i>Biochemisti</i> 192) <i>Biochem J</i> 288 1982) <i>J Biol Chem</i> 29	ry 39, 1169-79. (Pt 1), 309-14. 57, 10681-6.		
Species Reactiv	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed 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				
Cross-Reactivity Key		H: Human M: Mouse R: Rat Mk: Monkey				
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