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Product Data Sheet

Purified anti-UCP2

Catalog # / Size:	615901 / 50 μl (5 Western blots) 615902 / 200 μl (20 Western blots)
Clone:	Poly6159
Isotype:	Rabbit IgG
Immunogen:	Recombinant (partial), N-terminal
Reactivity:	Human, Cross-Reactivity: Mouse, Rat
Preparation:	The antibody was purified by antigen-affinity chromatography.
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.
Storage:	Upon receipt, store frozen at -20° C.

Applications:

Applications:	WB - Quality tested		17
Recommended Usage:	Each lot of this antibody is quality control tested by W blotting, suggested working dilution(s): Use 10 µl per buffer for each mini-gel. It is recommended that the r optimal performance for each application.	/estern blotting. Western 5 ml antibody dilution eagent be titrated for	11
Application References:	1. Minamiyama Y, et al.2007. J. Pharmacol. Exp. The	er. 320:535.PubMed	
Description: UCP2 also known as mitochondrial uncoupling protein 2 is a 33 kD of the mitochondrial anion carrier protein family. This protein is expit the mitochondria and is highly expressed in brain, kidney, liver, brown adipose tissue, heart, and muscle tissue. UCP2 facilitates transfer of from the inner to the outer mitochondrial membrane and the return from the outer to the inner mitochondrial membrane. This reduces mitochondrial membrane potential and induces mitochondrial "leak" oxidative phosphorylation is separated from ATP synthesis with end dissipated as heat. UPC2 function has been linked to obesity and hyperinsulinemia and has been shown to be decreased by glucose in human islet cells. UCP2 has also been shown to be useful for Western human UCP2 protein and has been shown to be useful for Western		in 2 is a 33 kD member protein is expressed in lney, liver, brown tates transfer of anions and the return of protons This reduces chondrial "leak" in which thesis with energy o obesity and ed by glucose and leptin iteract with 14-3-3 β and terminal region of the ful for Western blotting.	Mouse I rat liver resolved transfer probed antibody were vis anti-rab. HRP an detectio
Antigen References:	 Fleury C, <i>et al.</i> 1997. <i>Nat. Genet.</i> 15:269. Ricquier D, <i>et al.</i> 2000. <i>Biochem. J.</i> 345:161. PierRat B, <i>et al.</i> 2000. <i>Eur. J. Biochem.</i> 267:2680. 		
Related Products	: Product Purified anti-14-3-3 ζ/δ Purified anti-UCP3 Purified anti-UCP4 HRP Donkey anti-rabbit IgG (minimal x-reactivity) Recombinant Human UCP2 (Partial)	Clone Poly6148 Poly6160 Poly6161 Poly4064 rh UCP2	AI W W EL W



liver cell lysate (Lane 1) and cell lysate (Lane 2) were d by electrophoresis, red to nitrocellulose, and with colveloged cettin UCP2 with polyclonal anti-UCP2 ly (clone Poly6159). Proteins sùalized using a ɗonkey bit secondary conjugated to nd chemiluminescence n.

Application WB	
WB	
ELISA, IHC, WB	WB



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