#97000 Store at -20C

UCP3 (D6J8K) Rabbit mAb



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Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 30	Source/Isotype: Rabbit IgG	UniProt ID: #P55916	Entrez-Gene Id: 7352	
Product Usage Information	Ap	Application			Dilution		
	We	stern Blotting		1:1000			
	Imr	munoprecipitation		1:50			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensit		UCP3 (D6J8K) Rabbit mAb recognizes endogenous levels of total UCP3 protein. This antibody does not cross-react with UCP1 or UCP2 proteins.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly110 of human UCP3 protein.					
Background	skel oxyç bee	Uncoupling protein 3 (UCP3), a mitochondrial inner membrane transport protein, is highly expressed in skeletal muscle and activates glucose transport in muscle cells (2). UCP3 lowers the production of reactive oxygen species in mitochondria by reducing the mitochondrial inner membrane potential (3). UCP3 has been implicated in the protection against fat-induced insulin resistance in skeletal muscle (4) and fat gain induced by high-fat feeding (1).					
Background Refer	2. H 3. G	uppertz, C. et al. (20 ustafsson, H. et al.	(2008) Am J Physiol Endocrinol Metab 295, E1018-24. 2001) J Biol Chem 276, 12520-9. I. (2004) J Neurosci Res 77, 285-91. 07) J Clin Invest 117, 1995-2003.				

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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig **Rab:** rabbit **All:** all species expected

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