

Goat anti-Uncoupling protein 2 / UCP2 Antibody

Item Number	dAP-1077
Target Molecule	Principle Name: Uncoupling protein 2 / UCP2; Official Symbol: UCP2; All Names and Symbols: UCP2; uncoupling protein 2 (mitochondrial, proton carrier); SLC25A8; UCPH ; uncoupling protein 2; uncoupling protein-2; Accession Number (s): NP_003346.2; Human Gene ID(s): 7351; Non-Human GeneID(s): 22228 (mouse) 54315 (rat)
Immunogen	DSVKQFYTKGSEH, is from internal region
Applications	Pep ELISA, WB Species Tested: Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Approx 37kDa band observed in Rat Adipose and 28-30kDa in Mouse Spleen lysates (calculated MW of 33.4kDa according to Mouse NP_035801.3 and 33.4kDa according to Rat NP_062227.2). Recommended concentration: 0.3-1µg/ml. Primary incubation was
IHC	
Reference	Reference(s): De Souza CT, Araujo EP, Stoppiglia LF, Pauli JR, Ropelle E, Rocco SA, Marin RM, Franchini KG, Carnevalheira JB, Saad MJ, Boschero AC, Carneiro EM, Velloso LA. Inhibition of UCP2 expression reverses diet-induced diabetes mellitus by effects on both insulin secretion and action. FASEB J. 2007 Jan 5;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**