



Goat anti-UCP1 Antibody

Item Number	dAP-0829
Target Molecule	Principle Name: UCP1; Official Symbol: UCP1; All Names and Symbols: UCP1; uncoupling protein 1 (mitochondrial, proton carrier); HGNC:12517; SLC25A7; UCP; mitochondrial brown fat uncoupling protein; uncoupling protein 1; Accession Number (s): NP_068605.1; Human Gene ID(s): 7350; Non-Human GeneID (s):
Immunogen	EQLKRELSKSRQ, is from C Terminus
Applications	Pep ELISA, WB Species Tested: Human
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 35kDa band observed in Human Adipose lysates (calculated MW of 33.0kDa according to NP_068605.1). Recommended concentration: 0.1-1 µg/ml. Primary incubation was 1 hour.
IHC	
Reference	Reference(s): Ishigaki Y, Katagiri H, Yamada T, Ogihara T, Imai J, Uno K, Hasegawa Y, Gao J, Ishihara H, Shimosegawa T, Sakoda H, Asano T, Oka Y. Dissipating excess energy stored in the liver is a potential treatment strategy for diabetes associated with obesity. Diabetes. 2005 Feb;54(2):322-32. .PMID:

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**