

À des fins de recherche uniquement

Anticorps Monoclonal anti-UCP2

Numéro de catalogue: 66700-1-Ig



Informations de base

Numéro de catalogue: 66700-1-Ig	Numéro d'acquisition GenBank: BC011737	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 2000 µg/ml by Nanodrop and 827 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 7351	CloneNo.: 2B4B1
Hôte: Mouse	Nom complet: uncoupling protein 2 (mitochondrial, proton carrier)	Dilutions recommandées: WB 1:1000-1:4000
Isotype: IgG3	MW calculé: 33 kDa	
Immunogen Catalog Number: AG19361	MW observés: 28 kDa	

Applications

Applications testées:
WB, ELISA

Spécificité de l'espèce:
Humain

Contrôles positifs:

WB : cellules Jurkat, tissu adipeux humain, tissu de muscle squelettique humain

Informations générales

UCP2 (uncoupling protein 2) is a member of the mitochondrial carrier protein super family located in the mitochondrial inner membrane. The UCPs differ greatly in tissue distribution: UCP1 is expressed only in brown adipose; UCP3 preferentially in skeletal muscle, brown adipose and heart; UCP4 and UCP5 mainly in the nervous system (18167556). In contrast, UCP2 has a broad distribution and is implicated in a wide range of pathophysiological processes, including diabetes and cancer. This antibody detect a band around 28-33 kDa corresponding to UCP2 protein in mouse liver, skeletal muscle and pancreas. Some upper and lower bands also were observed due to the dimer formation and degradation of the UCP2 protein (20103532). This antibody was raised against the full-length UCP2 protein and may cross-react with UCP3. It is notable that UCP2 is known to have a very short half-life less than 1 hour (17240372). It is strongly recommended that fresh-made lysate be used for western blot assays.

Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

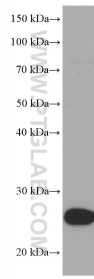
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

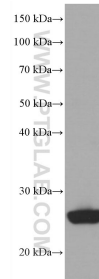
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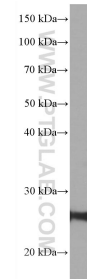
Données de validation sélectionnées



Jurkat cells were subjected to SDS PAGE followed by western blot with 66700-1-Ig (UCP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



human adipose tissue were subjected to SDS PAGE followed by western blot with 66700-1-Ig (UCP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 66700-1-Ig (UCP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.