

Allgemeine Informationen

Katalog-Nr.: 66700-1-Ig	GenBank-Zugangsnummer: BC011737	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul , Konzentration: 2000 µg/ml von7351 Nanodrop und 827 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): uncoupling protein 2 (mitochondrial, proton carrier)	CloneNo.: 2B4B1
Wirt: Maus	Berechnete Masse: 33 kDa	Empfohlene Verdünnungen: WB 1:1000-1:4000
Isotyp: IgG3	Beobachtete Masse: 28 kDa	
Immunogen Katalognummer: AG19361		

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : Jurkat-Zellen, humanes Fettgewebe, humanes Skelettmuskelgewebe
Getestete Reaktivität: Human	

Hintergrundinformationen

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.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

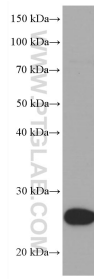
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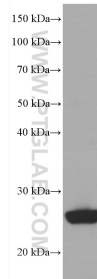
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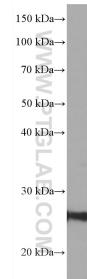
Ausgewählte Validierungsdaten



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.