À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CISD1

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Numéro de catalogue:16006-1-AP Phare 36 Publications

Informations de base

Numéro de catalogue:
16006-1-AP

Taille:
150ul , Concentration: 800 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG8680

Numéro d'acquisition GenBank:
BC007043

Identification du gène (NCBI):
55847

Nom complet:
CDGSH iron sulfur domain 1

MW calculé
108 aa, 12 kDa

MW observés:
14-17 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:5000-1:50000
IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : tissu rénal de souris, tissu de muscle squelettique de rat, tissu de muscle squelettique de souris, tissu rénal de rat

IP : cellules HepG2,

IHC : tissu de cancer du pancréas humain,

IF : cellules HepG2,

Informations générales

MitoNEET, also named CISD1, belongs to a previously uncharacterized ancient family of proteins for which the hallmark is the presence of a unique 39 amino acid CDGSH domain. It is a single-pass type III membrane protein, located in mitochondrion outer membrane and may play a role in regulating maximal capacity for electron transport and oxidative phosphorylation. MitoNEET is a recently identified drug target for a commonly prescribed diabetes drug, Pioglitazone. This antibody recognizing MitoNEET (calculated 12 kDa) as a 17 kDa protein may be due to its posttranslational modification or metal binding activity.

Publications notables

Autrice	Pubmed ID	Journal	Application
Malte Gersch	28945249	Nat Struct Mol Biol	WB
Megan E Roche	32920118	Biochim Biophys Acta Mol Basis Dis	WB
Werner J Geldenhuys	28880525	ACS Chem Neurosci	WB,IHC,IF

Stockage

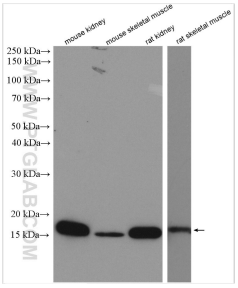
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

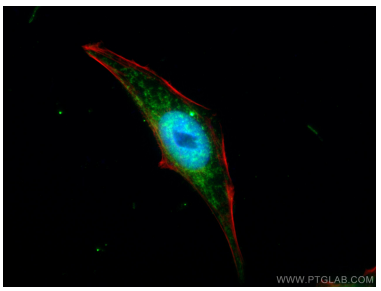
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

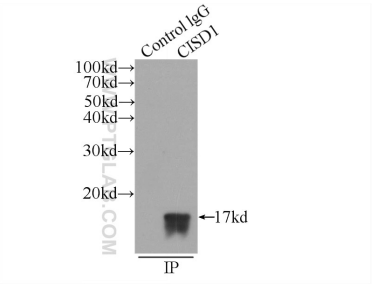
Données de validation sélectionnées



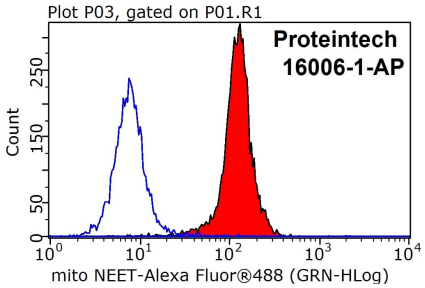
Various lysates were subjected to SDS PAGE followed by western blot with 16006-1-AP (CISD1 antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



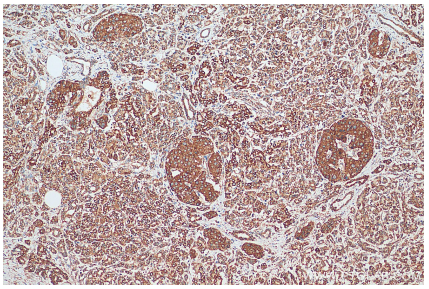
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CISD1 antibody (16006-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP Result of anti-CISD1 (IP:16006-1-AP, 3ug; Detection:16006-1-AP 1:2000) with HepG2 cells lysate 600ug.



1X10^6 HeLa cells were stained with .05ug mitoNEET,CISD1 antibody (16006-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-Goat anti-Rabbit IgG with dilution 1:100.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 16006-1-AP (CISD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).