

CISD1 Monoclonal antibody, PBS Only

Catalog Number: 68030-1-PBS

Basic Information

Catalog Number: 68030-1-PBS	GenBank Accession Number: BC007043	Purification Method: Protein G purification
Size: 1mg/ml	GeneID (NCBI): 55847	CloneNo.: 1D7E3
Source: Mouse	UNIPROT ID: Q9NZ45	
Isotype: IgG1	Full Name: CDGSH iron sulfur domain 1	
Immunogen Catalog Number: AG8560	Calculated MW: 108 aa, 12 kDa	
	Observed MW: 14-17 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat, pig, rabbit, chicken

Background Information

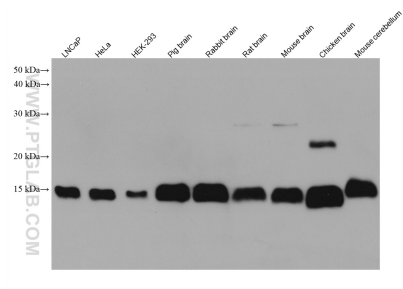
MitoNEET, also named CISD1, belongs to a previously uncharacterized ancient family of proteins for which the hallmark is the presence of a unique 39 amino acid CDGSH domain. It is a single-pass type III membrane protein, located in mitochondrion outer membrane and may play a role in regulating maximal 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.

Storage

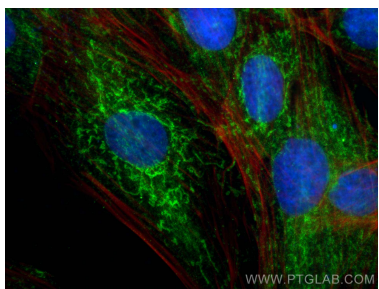
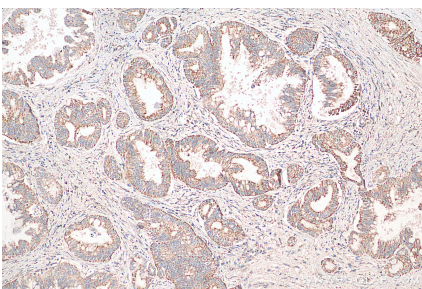
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68030-1-Ig (CISD1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68030-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed H9C2 cells using CISD1 antibody (68030-1-Ig, Clone: 1D7E3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red). This data was developed using the same antibody clone with 68030-1-PBS in a different storage buffer formulation.