For Research Use Only

CISD1 Monoclonal antibody, PBS Only



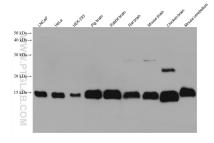
Catalog Number:68030-1-PBS

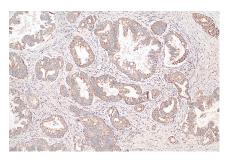
| Catalog Number: 68030-1-PBS | GenBank Accession Number: BC007043 | Purification Method: Protein G purification |
|---|---|--|
| Size: 1mg/ml | GenelD (NCBI): 55847 | CloneNo.: 1D7E3 |
| Source: Mouse | UNIPROT ID: Q9NZ45 | |
| lsotype: lgG1 | Full Name: CDGSH iron sulfur domain 1 | |
| Immunogen Catalog Number: AG8560 | Calculated MW: 108 aa, 12 kDa | |
| | Observed MW: 14-17 kDa | |
| Tested Applications: WB, IHC, IF/ICC, Indirect ELISA | | |
| Species Specificity: human, mouse, rat, pig, rabbit, chi | cken | |
| 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: Store at -80°C. The product is shipped with ice pa Storage Buffer: PBS Only | icks. Upon receipt, store it immediatel | yat-80°C |
| | 68030-1-PBS Size: 1mg/ml Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG8560 Tested Applications: WB, IHC, IF/ICC, Indirect ELISA Species Specificity: human, mouse, rat, pig, rabbit, chi MitoNEET, also named CISD1, bel hallmark is the presence of a unic located in mitochondrion outer m transport and oxidative phosphory diabetes drug, Pioglitazone. This i due to its posttranslational modif Storage: Storage Storage Buffer: | 68030-1-PBS BC007043 Size: GeneID (NCBI): 1mg/ml 55847 Source: UNIPROT ID: Mouse Q9NZ45 Isotype: Full Name: IgG1 CDGSH iron sulfur domain 1 Immunogen Catalog Number: Calculated MW: AG8560 108 aa, 12 kDa Observed MW: 14-17 kDa Tested Applications: WB, IHC, IF/ICC, Indirect ELISA Species Specificity: human, mouse, rat, pig, rabbit, chicken MitoNEET, also named CISD1, belongs to a previously uncharacterized at hallmark is the presence of a unique 39 amino acid CDGSH domain. It is located in mitochondrion outer membrane and may play a role in regul transport and oxidative phosphorylation. MitoNEET is a recently identified iabetes drug, Pioglitazone. This antibody recognizing MitoNEET (calcuadue to its posttranslational modification or metal binding activity. Storage: Storage: Storage Buffer. Storage Buffer. |

For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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

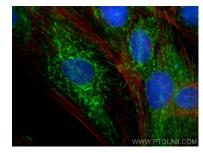
Selected Validation Data





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.

Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 68030-1-1g (CISD1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). 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.