

For Research Use Only

CA5A Polyclonal antibody, PBS Only

Catalog Number: 22241-1-PBS



Basic Information

Catalog Number:

22241-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17689

GenBank Accession Number:

BC137411

GeneID (NCBI):

763

UNIPROT ID:

P35218

Full Name:

carbonic anhydrase VA, mitochondrial

Calculated MW:

305 aa, 35 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

IF/ICC, Indirect ELISA

Species Specificity:

human

Background Information

Carbonic anhydrase VA (CA-VA) is a mitochondrial enzyme that is highly expressed in the liver and functions to provide bicarbonate as a substrate for other enzymatic reactions. CA-VA deficiency, which is caused by biallelic pathogenic variants in the CA5A gene, is characterized by neonatal metabolic hyperammonemic encephalopathy, lactic acidosis, hypoglycemia, and ketonuria. (PMID: 41113665, PMID: 24530203)

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, pH7.3

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

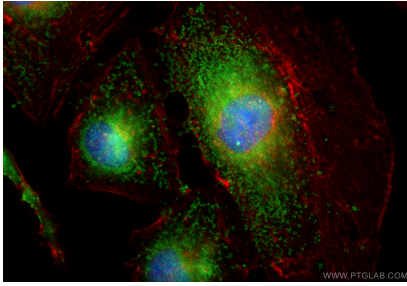
T: 4006900926

E: Proteintech-CN@ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CA5A antibody (22241-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 22241-1-PBS in a different storage buffer formulation.