

For Research Use Only

SLC7A2 Polyclonal antibody, PBS Only

Catalog Number:30232-1-PBS



Basic Information

Catalog Number:

30232-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31207

GenBank Accession Number:

BC104905

GeneID (NCBI):

6542

UNIPROT ID:

P52569

Full Name:

solute carrier family 7 (cationic amino acid transporter, y+ system), member 2

Calculated MW:

698 aa, 76 kDa

Observed MW:

76 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Solute carrier family 7 member 2 (SLC7A2), also known as CAT2, is a member of the solute carrier superfamily. It functions as a cationic amino acid transporter, which can transport cationic amino acids (arginine, lysine and ornithine) into the cytosol and regulate inflammation (PMID: 35152203). It has been shown that lower SLC7A2 expression is associated with worse prognosis of ovarian cancer and hepatocellular carcinoma (PMID: 34108444; 32647070), and SLC7A2 deficiency in inflammatory bowel tissues increases the risk of inflammation-associated colon tumorigenesis (PMID: 30202097)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

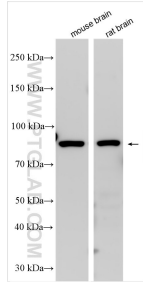
For technical support and original validation data for this product please contact:

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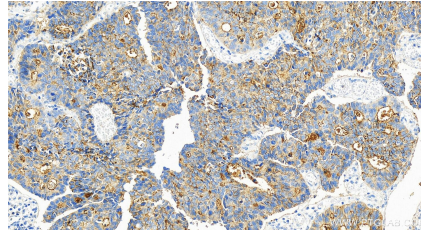
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30232-1-AP (SLC7A2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30232-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 30232-1-AP (SLC7A2 antibody) at dilution of 1:160 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30232-1-PBS in a different storage buffer formulation.