

For Research Use Only

SLC7A2 Polyclonal antibody

Catalog Number: 30232-1-AP



Basic Information

Catalog Number: 30232-1-AP	GenBank Accession Number: BC104905	Purification Method: Antigen affinity purification
Size: 550 µg/ml	GeneID (NCBI): 6542	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: P52569	
Isotype: IgG	Full Name: solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	
Immunogen Catalog Number: AG31207	Calculated MW: 698 aa, 76 kDa	
	Observed MW: 76 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

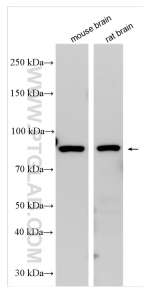
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Selected Validation Data



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.