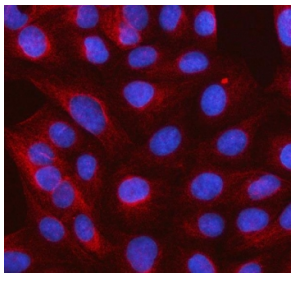
SLC37A3 Antibody / Sugar phosphate exchanger 3 (RQ8799)

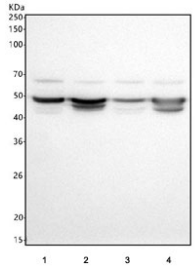
Catalog No.	Formulation	Size
RQ8799	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

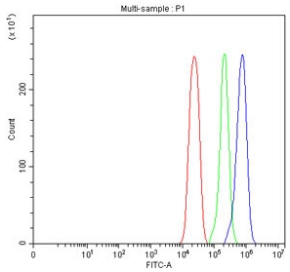
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8NCC5
Localization	Cytoplasm
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This SLC37A3 antibody is available for research use only.



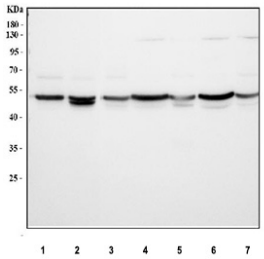
Immunofluorescent staining of FFPE human U-2 OS cells with SLC37A3 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) SH-SY5Y, 2) U-251, 3) RT4 and 4) PC-3 cell lysate with SLC37A3 antibody. Predicted molecular weight ~54 kDa, ~53 kDa and ~49 kDa (multiple isoforms).



Flow cytometry testing of fixed and permeabilized human U-251 cells with SLC37A3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SLC37A3 antibody.



Western blot testing of 1) human SH-SY5Y, 2) human U-251, 3) human PC-3, 4) rat brain, 5) rat C6, 6) mouse brain and 7) mouse Neuro-2a cell lysate with SLC37A3 antibody. Predicted molecular weight ~54 kDa, ~53 kDa and ~49 kDa (multiple isoforms).

Description

SLC37A3 (Sugar phosphate exchanger 3) is a member of the solute carrier family 37, which consists of sugar-phosphate transporters. It is predicted to function as an endoplasmic reticulum membrane protein involved in phosphate-linked sugar transport, thereby contributing to intracellular carbohydrate and energy metabolism.

SLC37A3 is broadly expressed across tissues, with enrichment in immune-related and metabolic organs. While its precise physiological role is still under investigation, studies suggest that SLC37A3 may participate in maintaining phosphate balance and regulating nucleotide sugar availability. Dysregulation of SLC37A3 could have implications in metabolic disorders and immune system function.

Using a high-quality SLC37A3 antibody enables reliable detection in applications such as western blot, immunohistochemistry, and immunofluorescence. An SLC37A3 antibody from NSJ Bioreagents ensures sensitivity and reproducibility for studies in sugar transport, phosphate regulation, and metabolic pathways. Selecting the right SLC37A3 antibody is essential for generating accurate and consistent research data.

Application Notes

Optimal dilution of the SLC37A3 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids Y31-E494) was used as the immunogen for the SLC37A3 antibody.

Storage

After reconstitution, the SLC37A3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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