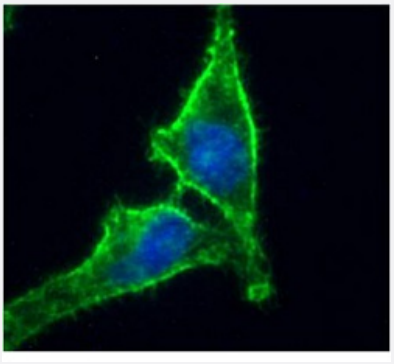
RecomAb™

SLC3A2 recombinant monoclonal antibody, clone HBJ127

Catalog # RAB03363 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of Hela cells with SLC3A2 recombinant monoclonal antibody, clone HBJ127 (Cat # RAB03363).
Immunofluorescence analysis of paraformaldehyde Hela cells fixed on Shi-fix™ coverslips, permeabilized with 0.15% Triton stained with the chimeric mouse IgG1 version of RAB03363 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with an unknown specificity antibody followed by Alexa Fluor® 488 secondary antibody.

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human SLC3A2.
Antibody Species	Mouse
Immunogen	Original antibody is raised against T24 human bladder cancer cells.
Reactivity	Human
Form	Liquid
Conjugation	Unconjugated
Preparation Method	Mammalian cell (HEK293) expression system
Concentration	batch dependent
Isotype	IgG1, kappa

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Recommend Usage	Activation Blocking ELISA Immunofluorescence The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence

  Immunofluorescent staining of Hela cells with SLC3A2 recombinant monoclonal antibody, clone HBJ127 (Cat # RAB03363). Immunofluorescence analysis of paraformaldehyde Hela cells fixed on Shi-fix™ coverslips, permeabilized with 0.15% Triton stained with the chimeric mouse IgG1 version of RAB03363 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with an unknown specificity antibody followed by Alexa Fluor® 488 secondary antibody.

- Enzyme-linked Immunoabsorbent Assay

- Blocking

Gene Info — SLC3A2

Entrez GeneID	6520
Gene Name	SLC3A2
Gene Alias	4F2, 4F2HC, 4T2HC, CD98, CD98HC, MDU1, NACAE
Gene Description	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2
Omim ID	158070
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the solute carrier family and encodes a cell surface, transmembrane pr otein with an alpha amylase domain. The protein exists as the heavy chain of a heterodimer, coval ently bound through di-sulfide bonds to one of several possible light chains. It associates with inte grins and mediates integrin-dependent signaling related to normal cell growth and tumorigenesis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [pr ovided by RefSeq

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Other Designations	4F2 cell-surface antigen heavy chain|4F2 heavy chain|CD98 heavy chain|antigen defined by mono clonal antibody 4F2, heavy chain|antigen identified by monoclonal antibodies 4F2, TRA1.10, TRO P4, and T43|heavy chain|lymphocyte activation antigen 4F2 large subu

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Lymphoma
- Multiple Myeloma

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