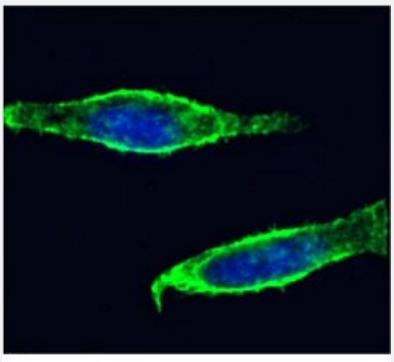
RecomAb™

SLC3A2 recombinant monoclonal antibody, clone CP1-5

Catalog # RAB03360 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of Hela cells with SLC3A2 recombinant monoclonal antibody, clone CP1-5 (Cat # RAB03360).
Immunofluorescence analysis of paraformaldehyde Hela cells fixed on Shi-fix™ coverslips, permeabilized with 0.15% Triton stained with the chimeric mouse IgG1 version of RAB03360 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 epitope peptide (LLHGDFHAFSAG-GGGCCD) linked to KLH.
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	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 CP1-5 (Cat # RAB03360). Immunofluorescence analysis of paraformaldehyde Hela cells fixed on Shi-fix™ coverslips, permeabilized with 0.15% Triton stained with the chimeric mouse IgG1 version of RAB03360 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

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
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

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Disease

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

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