[KD Validated] Anti-SLC3A2 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P106752

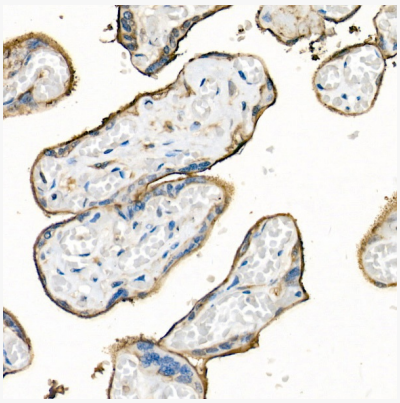
Product Information

Application	WB, IHC-P, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1000; IHC-P 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 206-630 of human SLC3A2/CD98hc (NP_002385.3).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-SLC3A2 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

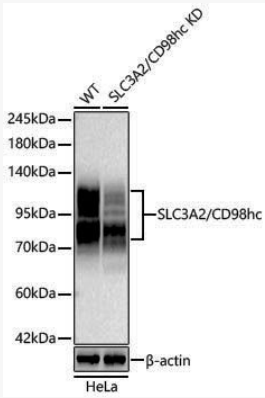
Protein Information

Synonyms	4F2; CD98; MDU1; 4F2HC; 4T2HC; NACAE; CD98HC; SLC3A2/CD98hc.
Calculated MW	Calculated MW: 58 kDa; Observed MW: 75-120 kDa/70-130 kDa
Uniprot ID	P08195
Gene ID	6520
Background	This gene is a member of the solute carrier family and encodes a cell surface, transmembrane protein. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. The encoded transporter plays a role in regulation of intracellular calcium levels and transports L-type amino acids. Alternatively spliced transcript variants, encoding different isoforms, have been characterized.

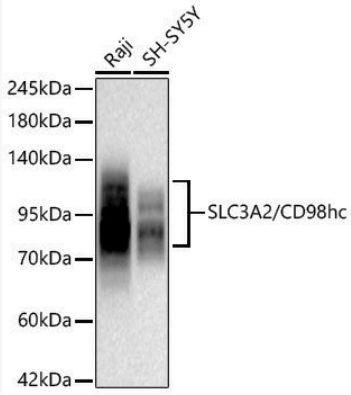
Validation Images



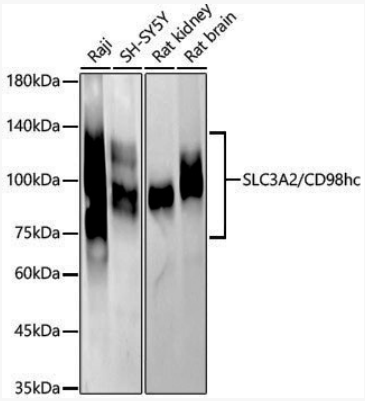
Immunohistochemistry analysis of paraffin-embedded Human placenta using SLC3A2/CD98hc Rabbit pAb (P106752) at dilution of 1:50 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



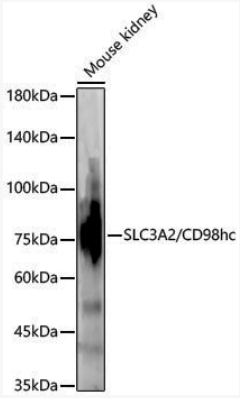
Western blot analysis of lysates from wild type (WT) and SLC3A2/CD98hc knockdown (KD) HeLa cells using SLC3A2/CD98hc Rabbit pAb (P106752) at 1:1,000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.



Western blot analysis of various lysates using SLC3A2/CD98hc Rabbit pAb (P106752) at 1:1,000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.



Western blot analysis of various lysates, using SLC3A2/CD98hc Rabbit pAb (P106752) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 60s.



Western blot analysis of lysates from Mouse kidney, using SLC3A2/CD98hc Rabbit pAb (P106752) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 60s.