

Rabbit anti-Human, Mouse SLC17A2 Polyclonal Antibody | anti-SLC17A2 antibody

SLC17A2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325178	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

SLC17A2; Polyclonal Antibody; SLC17A2 Antibody; Na(+)/PI cotransporter 3; NPT3; NPT3_HUMAN; Sodium phosphate transporter 3; Sodium-dependent phosphate transport protein 3; Sodium/phosphate cotransporter 3; Solute carrier family 17 (sodium phosphate); member 2; Solute carrier family 17 (vesicular glutamate transporter); Solute carrier family 17 member 2; anti-SLC17A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC17A2 antibody detects endogenous levels of total SLC17A2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	478
Applicable Applications for anti-SLC17A2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	Expressed in the small intestine, kidney, spleen and testis. Not detected in fetal brain, bone marrow, and mammary gland.
Predicted Cross Reactivity	Dog
Similarity	Dog (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using SLC17A2 antibody.



IF (Immunofluorescence)
AAA325178 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC17A2 antibody	Function: May be involved in actively transporting phosphate into cells via Na ⁺ cotransport. Similarity: Belongs to the major facilitator superfamily. Sodium/anion cotransporter family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	554790292
NCBI GeneID	10246
NCBI Accession #	NP_001273052.1
NCBI GenBank Nucleotide #	NM_001286123.1
UniProt Accession #	O00624; Q5TB84; Q76P85; A6NK81; A6NLD6
Molecular Weight	Observed: 47 kD Predicted: 48 kDa
NCBI Official Full Name	sodium-dependent phosphate transport protein 3 isoform a
NCBI Official Synonym Full Names	solute carrier family 17 member 2
NCBI Official Symbol	SLC17A2
NCBI Official Synonym Symbols	NPT3
NCBI Protein Information	sodium-dependent phosphate transport protein 3
UniProt Protein Name	Sodium-dependent phosphate transport protein 3
UniProt Gene Name	SLC17A2
UniProt Synonym Gene Names	NPT3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.