

SLC17A7 rabbit monoclonal antibody

Catalog # H00057030-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SLC17A7 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SLC17A7 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SLC17A7 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — SLC17A7

Entrez GeneID	57030
GeneBank Accession#	SLC17A7
Gene Name	SLC17A7
Gene Alias	BNPI, VGLUT1
Gene Description	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7
Omim ID	605208
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a vesicle-bound, sodium-dependent phosphate transporter that is specifically expressed in the neuron-rich regions of the brain. It is preferentially associated with the membranes of synaptic vesicles and functions in glutamate transport. The protein shares 82 % identity with the differentiation-associated Na-dependent inorganic phosphate cotransporter and they appear to form a distinct class within the Na ⁺ /Pi cotransporter family. [provided by RefSeq]
Other Designations	brain-specific Na-dependent inorganic phosphate cotransporter[solute carrier family 17, member 7]vesicular glutamate transporter 1

Disease

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