

SLC17A7 Rabbit pAb

Catalog No.: A12879 **2 Publications**

Basic Information

Observed MW

62kDa

Calculated MW

62kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse

Background

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.

Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

57030

Swiss Prot

Q9P2U7

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 461-560 of human SLC17A7 (NP_064705.1).

Synonyms

BNPI; VGLUT1; SLC17A7

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

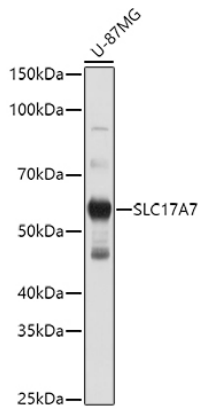
Affinity purification

Storage

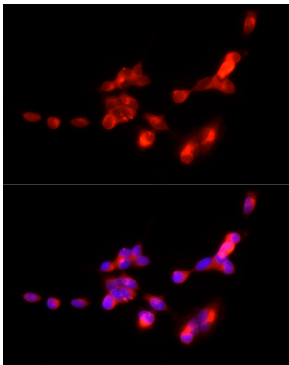
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

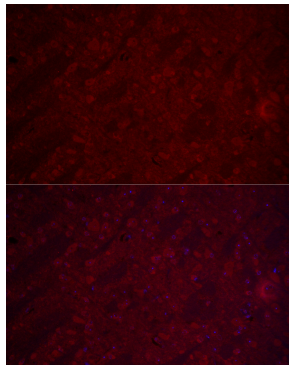
Validation Data



Western blot analysis of extracts of U-87MG cells, using SLC17A7 antibody (A12879) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunofluorescence analysis of SH-SY5Y cells using SLC17A7 Rabbit pAb (A12879) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse brain cells using SLC17A7 Rabbit pAb (A12879) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.