

## SLC1A4 polyclonal antibody

Catalog: BS7488

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

SLC1A4, also known as ASCT1, is a neutral amino acid transporter. Its other name, ASCT1, was given because it mediates obligatory exchange of alanine, serine, cysteine, and threonine (1). SLC1A4 mediates the efflux of glutamate from the neuron into the synaptic junction via calcium-independent release, as well as mediating the efflux of L-serine from glial cells and its uptake by neurons (2). SLC1A4-mediated transport is shown to involve a symmetrical potassium-independent electroneutral exchange of neutral amino acids and sodium, such that the current activated during transport is carried only by chloride ions (3).

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~56 kDa

### Swiss-Prot:

P43007

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:2000

IHC: 1:50~1:200

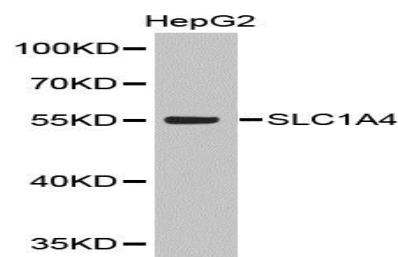
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

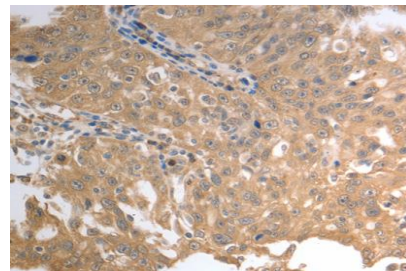
### Specificity:

SLC1A4 polyclonal antibody detects endogenous levels of SLC1A4 protein.

### DATA:



Western blot analysis of SLC1A4 polyclonal antibody



Immunohistochemistry (IHC) analysis of SLC1A4 polyclonal antibody

### Note:

For research use only, not for use in diagnostic procedure.

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