

SLC5A7 Rabbit Polyclonal Antibody

Catalog No: #55460

Package Size: #55460-1 50ul #55460-2 100ul

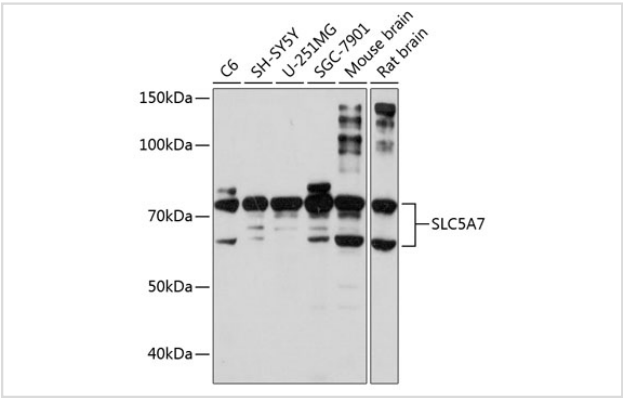
Description

Product Name	SLC5A7 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human SLC5A7 (NP_068587.1).
Conjugates	Unconjugated
Other Names	SLC5A7;CHT;CHT1;CMS20;HMN7A
Accession No.	Swiss Prot:Q9GZV3GeneID:60482
Calculated MW	63kDa
SDS-PAGE MW	66-75KDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

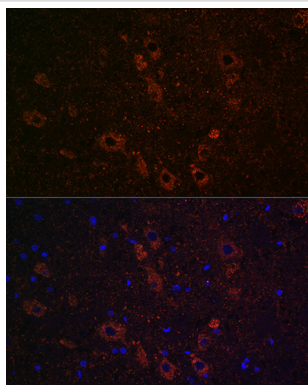
Application Details

WB 1:500 - 1:2000IF 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using SLC5A7 Polyclonal at 1:1000 dilution.



Immunofluorescence analysis of rat brain using SLC5A7 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Background

This gene encodes a sodium ion- and chloride ion-dependent high-affinity transporter that mediates choline uptake for acetylcholine synthesis in cholinergic neurons. The protein transports choline from the extracellular space into presynaptic terminals for synthesis into acetylcholine. Increased choline uptake results from increased density of this protein in synaptosomal plasma membranes in response to depolarization of cholinergic terminals. Dysfunction of cholinergic signaling has been implicated in various disorders including depression, attention-deficit disorder, and schizophrenia. An allelic variant of this gene is associated with autosomal dominant distal hereditary motor neuropathy type VIIA. Alternative splicing results in multiple transcript variants.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.