SLC7A11 Antibody

Catalog No: #43437

Orders: order@signalwayantibody.com
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Description

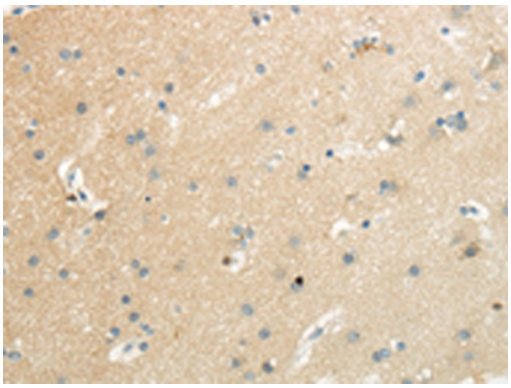
Product Name	SLC7A11 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total SLC7A11 protein.
Immunogen Description	Synthetic peptide of human SLC7A11
Target Name	SLC7A11
Other Names	xCT; CCBR1
Accession No.	Swiss-Prot#: Q9UPY5Gene ID: 23657
Uniprot	Q9UPY5
GeneID	23657;
Calculated MW	55kd. 35kd
Concentration	2.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

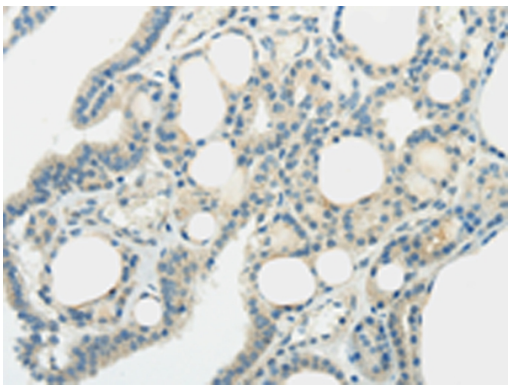
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:20-1:100

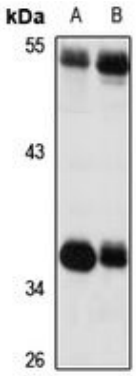
Images



Immunohistochemical analysis of paraffin-embedded Human brain tissue using #43437 at dilution 1/35.



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #43437 at dilution 1/35.



Western blot analysis of SLC7A11 expression in mouse kidney (A), rat liver (B) whole cell lysates.

Background

This gene encodes a member of a heteromeric, sodium-independent, anionic amino acid transport system that is highly specific for cysteine and glutamate. In this system, designated Xc(-), the anionic form of cysteine is transported in exchange for glutamate. This protein has been identified as the predominant mediator of Kaposi sarcoma-associated herpesvirus fusion and entry permissiveness into cells. Also, increased expression of this gene in primary gliomas (compared to normal brain tissue) was associated with increased glutamate secretion via the XCT channels, resulting in neuronal cell death.

Note: This product is for in vitro research use only