EAAT3 Rabbit mAb

Catalog No: #49741

Package Size: #49741-1 50ul #49741-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

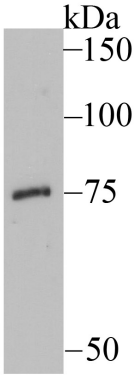
Description

Product Name	EAAT3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU39-69
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	EAA3_HUMAN antibody EAAC 1 antibody EAAC1 antibody EAAT 3 antibody Excitatory amino acid carrier 1 antibody Excitatory amino acid carrier1 antibody Excitatory amino acid transporter 3 antibody Excitatory amino acid transporter3 antibody Excitatory amino-acid carrier 1 antibody GLUTAMATE TRANSPORTER, HIGH-AFFINITY antibody MEAAC 1 antibody MEAAC1 antibody Neuronal and epithelial glutamate transporter antibody REAAC 1 antibody REAAC1 antibody Slc1 a1 antibody Slc1a 1 antibody SLC1A1 antibody Sodium dependent glutamate/aspartate transporter 3 antibody Sodium-dependent glutamate/aspartate transporter 3 antibody Solute carrier family 1 (neuronal / epithelial high affinity glutamate transporter, system Xag), member 1 antibody SOLUTE CARRIER FAMILY 1 (NEURONAL/EPITHELIAL HIGH AFFINITY GLUTAMATE TRANSPORTER), MEMBER 1 antibody Solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 antibody Solute carrier family 1 member 1 antibody Solute carrier family 1, member 1 antibody
Accession No.	Swiss-Prot#:P43005
Uniprot	P43005
GeneID	6505;
Calculated MW	57 kDa (Predicted band size)
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

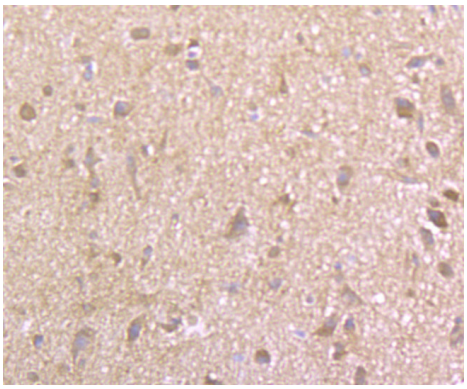
Application Details

WB: 1:500 IHC: 1:50-1:200ICC/IF: 1:50-1:200

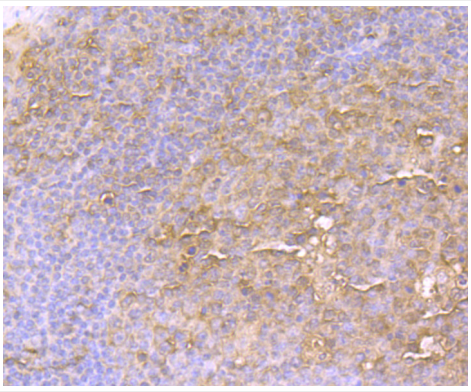
Images



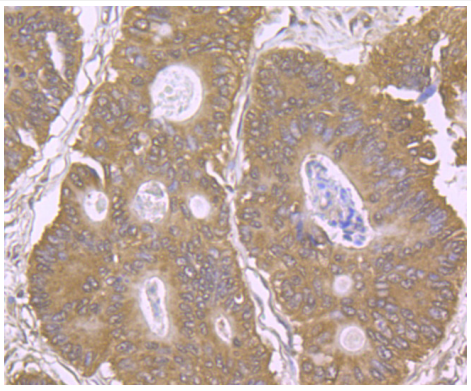
Western blot analysis of EAAT3 on mouse liver tissue lysate using anti-EAAT3 antibody at 1/500 dilution.



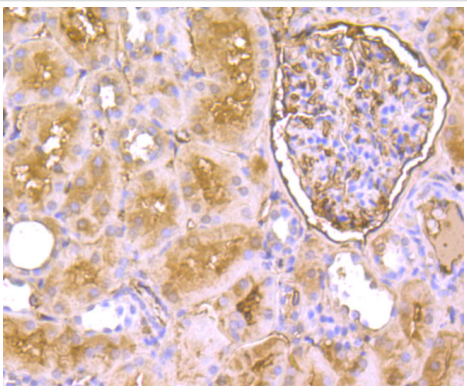
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-EAAT3 antibody. Counter stained with hematoxylin.



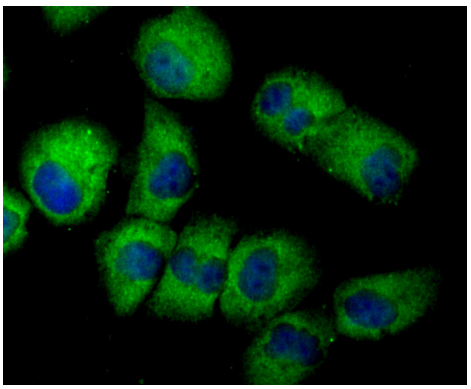
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-EAAT3 antibody. Counter stained with hematoxylin.



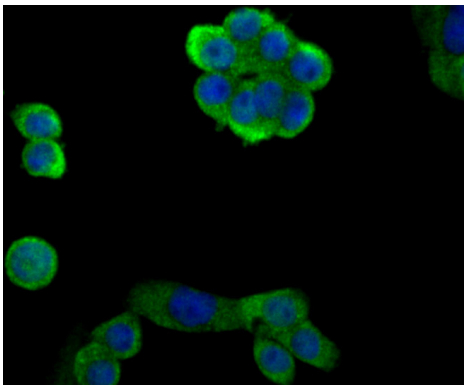
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-EAAT3 antibody. Counter stained with hematoxylin.



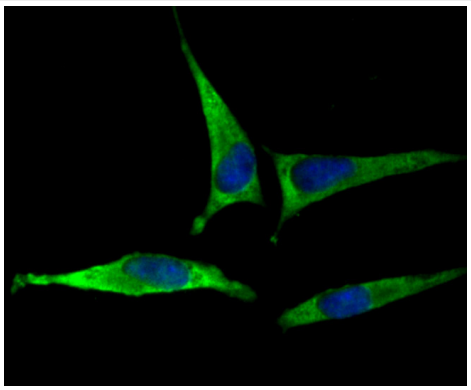
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-EAAT3 antibody. Counter stained with hematoxylin.



ICC staining EAAT3 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining EAAT3 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining EAAT3 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate. Can also transport L-cysteine. Functions as a symporter that transports one amino acid molecule together with two or three Na+ ions and one proton, in parallel with the counter-transport of one K+ ion. Mediates Cl- flux that is not coupled to amino acid transport; this avoids the accumulation of negative charges due to aspartate and Na+ symport. Plays an important role in L-glutamate and L-aspartate reabsorption in renal tubuli. Plays a redundant role in the rapid removal of released glutamate from the synaptic cleft, which is essential for terminating the postsynaptic action of glutamate. Negatively regulated by ARL6IP5.

References

Note: This product is for in vitro research use only