

Product Datasheet

EAAT2/GLT1 Antibody - BSA Free NBP1-59632

Unit Size: 100 ul

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

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NBP1-59632

EAAT2/GLT1 Antibody - BSA Free

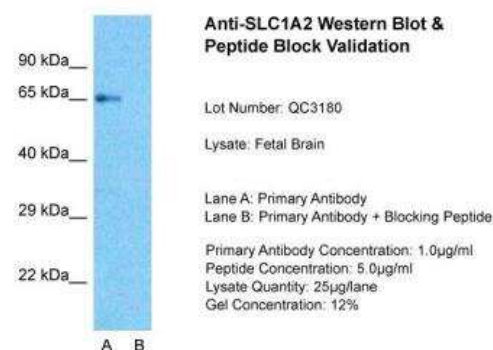
Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	62 kDa

Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	6506
Gene Symbol	SLC1A2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 29880832).
Immunogen	Synthetic peptides corresponding to SLC1A2(solute carrier family 1 (glial high affinity glutamate transporter), member 2) The peptide sequence was selected from the N terminal of SLC1A2 (NP_004162). PGNPKLKKQLGPGKKNDEVSSLDNFLIRNLFPENLVQACFQQIQTGTK The peptide sequence for this immunogen was taken from within the described region.

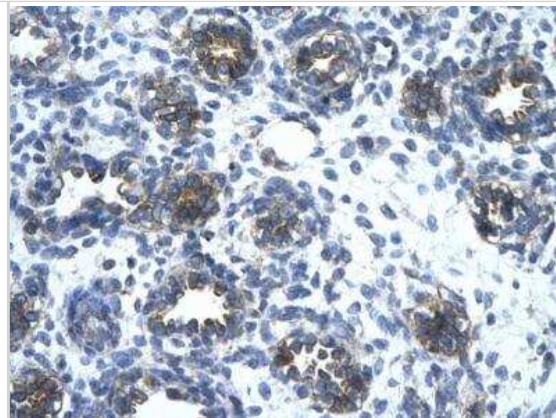
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 4-8 ug/ml

Images

Western Blot: EAAT2/GLT1 Antibody [NBP1-59632] - Fetal Brain
 Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide
 Primary Antibody Concentration: 1ug/ml Peptide Concentration: 5ug/ml
 Lysate Quantity: 25ug/lane/Lane Gel Concentration: 0.12



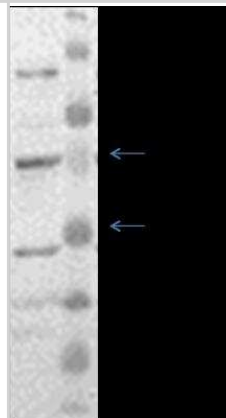
Immunohistochemistry-Paraffin: EAAT2/GLT1 Antibody [NBP1-59632] - Human alveolar cell.



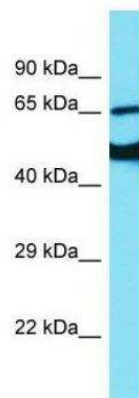
Western Blot: EAAT2/GLT1 Antibody [NBP1-59632] - Titration: 0.2-1 ug/ml, Positive Control: Human brain.



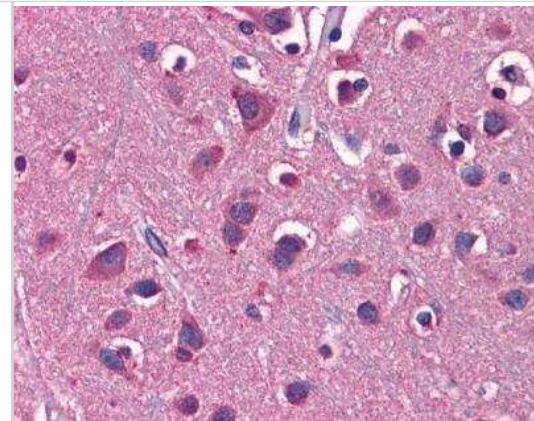
Western Blot: EAAT2/GLT1 Antibody [NBP1-59632] - WB analysis of GLT1 in Hep3B WCL. Image courtesy of anonymous customer product review.



Western Blot: EAAT2/GLT1 Antibody [NBP1-59632] - Human Fetal Brain lysates.



Immunohistochemistry-Paraffin: EAAT2/GLT1 Antibody [NBP1-59632] - Human Brain, cortex tissue at an antibody concentration of 5 ug/ml.



Publications

Radulescu AR, Todd GC, Williams CL et al. Estimating the glutamate transporter surface density in distinct sub-cellular compartments of mouse hippocampal astrocytes PLoS computational biology 2022-02-01 [PMID: 35120128]

Herrera Moro Chao D, Kirchner MK, Pham C et al. Hypothalamic astrocytes control systemic glucose metabolism and energy balance Cell metabolism 2022-10-04 [PMID: 36198294]

Singal CMS, Jaiswal P, Mehta A Et al. Role of EphrinA3 in HIV-1 Neuropathogenesis ASN neuro 2021-10-07 [PMID: 34618621] (WB, Human)

Pallottie A, Ratnayake A, Ni L et al. A toll-like receptor 9 antagonist restores below-level glial glutamate transporter expression in the dorsal horn following spinal cord injury. Sci Rep 2018-06-07 [PMID: 29880832] (WB, Mouse)

Garcia-Berrocso T, Llombart V, Colas-Campas L et al. Single Cell Immuno-laser Microdissection Coupled to Label-free Proteomics to Reveal the Proteotypes of Human Brain Cells After Ischemia Mol. Cell Proteomics. 2017-11-13 [PMID: 29133510] (IHC-P, Human)

Fawzi AA, Simonett JM, Purta P et al. Clinicopathologic report of ocular involvement in ALS patients with C9orf72 mutation. Amyotroph Lateral Scler Frontotemporal Degener. 2014-10-16 [PMID: 25319030] (IHC-P, Human)



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Products Related to NBP1-59632

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00006506-Q01-10ug	Recombinant Human EAAT2/GLT1 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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