Product Datasheet

EAAT2/GLT1 Antibody

NBP1-59632

Unit Size: 100 ul

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

Publications: 5

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Updated 7/13/2023 v.20.1

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## Product Information

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

## 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). 

PGNPKLKKQLPGPKKNDKSSLDADFLLRNLFPENLVQACFQQIQTK

The peptide sequence for this immunogen was taken from within the described region.

## Product Application Details

### Applications
Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin

### 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

Lot Number: QC3190

Lysate: Fetal Brain

Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide

Primary Antibody Concentration: 1.0ug/ml Peptide Concentration: 5.0ug/ml

Lysate Quantity: 25ug/lane Gel Concentration: 12%

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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 μg/ml.**

<table>
<thead>
<tr>
<th>Publications</th>
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<tbody>
<tr>
<td>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]</td>
</tr>
</tbody>
</table>
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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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Products Related to NBP1-59632

<table>
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<tr>
<td>HAF008</td>
<td>Goat anti-Rabbit IgG Secondary Antibody [HRP]</td>
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<tr>
<td>NB7156</td>
<td>Goat anti-Rabbit IgG (H+L) Secondary Antibody</td>
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<tr>
<td>NBP2-24891</td>
<td>Rabbit IgG Isotype Control</td>
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<tr>
<td>H00006506-P01-2ug</td>
<td>Recombinant Human EAAT2/GLT1 GST (N-Term) Protein</td>
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