

## Anti-EAAT2/GLT-1/SLC1A2 Rabbit Monoclonal Antibody

Catalog Number: M01713

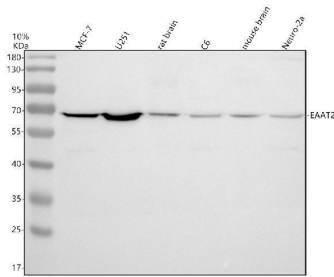
### Overview

Product Name	Anti-EAAT2/GLT-1/SLC1A2 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-EAAT2/GLT-1/SLC1A2 Rabbit Monoclonal Antibody catalog # M01713. Tested in WB, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, WB
Clonality	Monoclonal ABED-19
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P43004

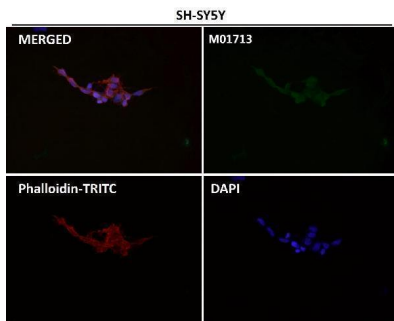
### Technical Details

Immunogen	A synthesized peptide derived from human EAAT2
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IP 1:20

## Anti-EAAT2/GLT-1/SLC1A2 Rabbit Monoclonal Antibody (M01713) Images



Western blot analysis of EAAT2/SLC1A2 using anti-EAAT2/SLC1A2 antibody (M01713). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human U251 whole cell lysates, Lane 3: rat brain tissue lysates, Lane 4: rat C6 whole cell lysates, Lane 5: mouse brain tissue lysates, Lane 6: mouse Neuro-2a whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-EAAT2/SLC1A2 antigen affinity purified monoclonal antibody (M01713) at 1:500 overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for EAAT2/SLC1A2 at approximately 65 kDa. The expected band size for EAAT2/SLC1A2 is at 62 kDa.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

## 2 Publications Citing This Product

1. PubMed ID: 33484756, Song T, Chen W, Chen X, Zhang H, Zou Y, Wu H, Lin F, Ren L, Kang Y, Lei H. Repeated fluoxetine treatment induces transient and long-term astrocytic plasticity in the medial prefrontal cortex of normal adult rats. *Prog Neuropsychopharmacol Biol Psychiatry*. 2021 Jan 20
2. PubMed ID: 25371754, Ding Y, Zhang K, Liu S, Zhang Q, Ma C, Bruce Ic, Zhang X. *Exp Ther Med*. 2014 Dec;8(6):1909-1913. Epub 2014 Oct 15. Tumor Necrosis Factor-?? Promotes The Expression Of Excitatory Amino-Acid Transporter 2 In Astrocytes: Optimal Concentration And Inc...

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