

产品名称: EAAT3 (4R8) Rabbit Monoclonal Antibody  
产品货号: AMRe10265



## 产品概述 (Summary)

|                        |                                        |
|------------------------|----------------------------------------|
| 产品名称 (Production Name) | EAAT3 (4R8) Rabbit Monoclonal Antibody |
| 描述 (Description)       | Recombinant rabbit monoclonal antibody |
| 宿主 (Host)              | Rabbit                                 |
| 应用 (Application)       | WB,IHC                                 |
| 种属反应性 (Reactivity)     | Human                                  |

## 产品性能 (Performance)

|                     |                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                                                                                                                 |
| 修饰 (Modification)   | Unmodified                                                                                                                                                                                   |
| 同种型 (Isotype)       | IgG                                                                                                                                                                                          |
| 克隆 (Clonality)      | Monoclonal                                                                                                                                                                                   |
| 形式 (Form)           | Liquid                                                                                                                                                                                       |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                                                                                     |
| 储存溶液 (Buffer)       | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| 纯化方式 (Purification) | Affinity purification                                                                                                                                                                        |

## 免疫原信息 (Immunogen)

|                        |                               |
|------------------------|-------------------------------|
| 基因名 (Gene Name)        | SLC1A1                        |
| 别名 (Alternative Names) | SLC1A1, EAAC1, EAAT3, Eaac-1; |
| 基因 ID (Gene ID)        | 6505.0                        |
| 蛋白 ID (SwissProt ID)   | P43005.                       |

## 产品应用 (Application)

|                          |                                    |
|--------------------------|------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:2000-1:20000,IHC 1:200-1:1000 |
| 蛋白分子量 (Molecular Weight) | 57kDa                              |

## 研究背景 (Background)

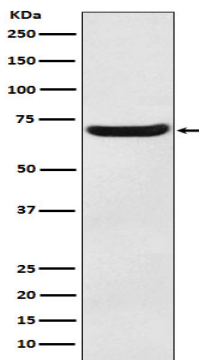
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Transports L-glutamate and also L- and D-aspartate. Essential for terminating the postsynaptic action of glutamate by rapidly removing released glutamate from the synaptic cleft. Acts as a symport by cotransporting sodium. Negatively regulated by ARL6IP5. Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate (PubMed:<a href="http://www.uniprot.org/citations/7914198" target="\_blank">7914198</a>, PubMed:<a href="http://www.uniprot.org/citations/7521911" target="\_blank">7521911</a>, PubMed:<a href="http://www.uniprot.org/citations/8857541" target="\_blank">8857541</a>, PubMed:<a href="http://www.uniprot.org/citations/26690923" target="\_blank">26690923</a>, PubMed:<a href="http://www.uniprot.org/citations/21123949" target="\_blank">21123949</a>). Can also transport L-cysteine (PubMed:<a href="http://www.uniprot.org/citations/21123949" target="\_blank">21123949</a>). 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 (PubMed:<a href="http://www.uniprot.org/citations/7521911" target="\_blank">7521911</a>, PubMed:<a href="http://www.uniprot.org/citations/8857541" target="\_blank">8857541</a>, PubMed:<a href="http://www.uniprot.org/citations/26690923" target="\_blank">26690923</a>). Mediates Cl(-) flux that is not coupled to amino acid transport; this avoids the accumulation of negative charges due to aspartate and Na(+) symport (PubMed:<a href="http://www.uniprot.org/citations/8857541" target="\_blank">8857541</a>, PubMed:<a href="http://www.uniprot.org/citations/26690923" target="\_blank">26690923</a>). Plays an important role in L-glutamate and L-aspartate reabsorption in renal tubuli (PubMed:<a href="http://www.uniprot.org/citations/21123949" target="\_blank">21123949</a>). 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 (By similarity). Contributes to glutathione biosynthesis and protection against oxidative stress via its role in L-glutamate and L-cysteine transport (By similarity). Negatively regulated by ARL6IP5 (By similarity).

## 研究领域 (Research Area)

## 图片 (Image Data)



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Western blot analysis of EAAT3 expression in Human fetal brain lysate.

**注意事项 (Note)**

For research use only .