

## 胶质细胞谷氨酸运载蛋白 3 神经上皮细胞谷氨酸运载蛋白抗体

产品货号： mlR21311

英文名称： EAAT3

中文名称： 胶质细胞谷氨酸运载蛋白 3/神经/上皮细胞谷氨酸运载蛋白抗体

别名： Excitatory amino acid transporters 3; Slc1a1; Eaac1; Eaat3; SLC1A1; EAAC1; EAAT3; solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1; EAAC 2; Excitatory amino acid carrier 1; Excitatory amino acid carrier 2; Excitatory amino acid carrier1; MEAAC 1; MEAAC1; Neuronal and epithelial glutamate transporter; REAAC 1; REAAC1; Slc1 a1; Slc1a 1; Slc1a1; Sodium dependent glutamate/aspartate transporter 3; Solute carrier family 1, member 1; EAA3\_HUMAN.

研究领域： 免疫学 神经生物学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse,

产品应用： WB=1:500-2000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 58kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human EAAT3 :101-200/524 <Extracellular>

亚型： IgG

纯化方法： affinity purified by Protein A

储存液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

**PubMed :** PubMed

**产品介绍 :** This gene encodes a member of the high-affinity glutamate transporters that play an essential role in transporting glutamate across plasma membranes. In brain, these transporters are crucial in terminating the postsynaptic action of the neurotransmitter glutamate, and in maintaining extracellular glutamate concentrations below neurotoxic levels. This transporter also transports aspartate, and mutations in this gene are thought to cause dicarboxylicamino aciduria, also known as glutamate-aspartate transport defect.

**Function:**

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 (By similarity). Subunit : Interacts with ARL6IP5/PRAF3.

**Subunit:**

Interacts with ARL6IP5/PRAF3.

**Subcellular Location:**

Membrane; Multi-pass membrane protein.

**Tissue Specificity:**

Expressed in all tissues tested including liver, muscle, testis, ovary, retinoblastoma cell line, neurons and brain (in which there was dense expression in substantia nigra, red nucleus, hippocampus and in cerebral cortical layers).  
Post-translational modifications : Glycosylated.

**Similarity:**

Belongs to the sodium:dicarboxylate (SDF) symporter (TC 2.A.23) family. SLC1A1 subfamily.

**SWISS:**

P43005

**Gene ID:**

6505

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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