

产品名称: EAAT3 Rabbit Polyclonal Antibody
产品货号: APRab10266



产品概述 (Summary)

产品名称 (Production Name)	EAAT3 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SLC1A1 SLC1A1; EAAC1; EAAT3; Excitatory amino acid transporter 3; Excitatory amino-acid carrier 1; Neuronal and epithelial glutamate transporter; Sodium-dependent glutamate/aspartate transporter 3; Solute carrier family 1 member 1
别名 (Alternative Names)	
基因 ID (Gene ID)	6505.0
蛋白 ID (SwissProt ID)	P43005.The antiserum was produced against synthesized peptide derived from human EAAT3. AA range:122-171

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
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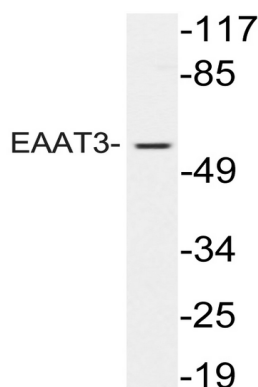
蛋白分子量 (Molecular Weight) 57kDa

研究背景 (Background)

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. [provided by RefSeq, Mar 2010],disease:Defects in SLC1A1 may be a cause of dicarboxylicamino aciduria [MIM:222730]; also known as glutamate-aspartate transport defect. This is a defect in renal and probably intestinal transport of glutamic and aspartic acids and is associated with moderate hyperprolinemia.,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.,PTM:Glycosylated.,similarity:Belongs to the sodium:dicarboxylate (SDF) symporter (TC 2.A.23) family.,subunit:Interacts with ARL6IP5/PRAF3.,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),.

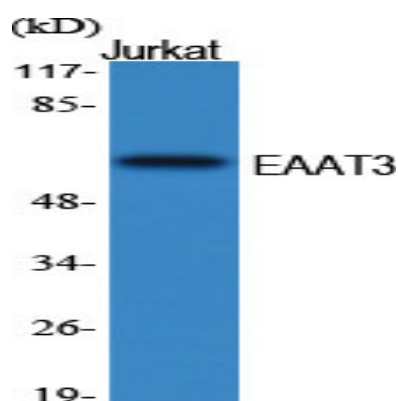
研究领域 (Research Area)

图片 (Image Data)

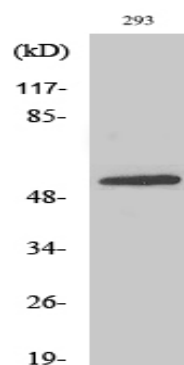


Western blot analysis of lysate from 293 cells treated with EGF, using EAAT3 antibody.

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Western Blot analysis of various cells using EAAT3 Polyclonal Antibody



Western Blot analysis of 293 cells using EAAT3 Polyclonal Antibody

注意事项 (Note)

For research use only .