

EAAT3 Conjugated Antibody

Catalog No: #C49741



Package Size: #C49741-AF350 100ul #C49741-AF405 100ul #C49741-AF488 100ul
 #C49741-AF555 100ul #C49741-AF594 100ul #C49741-AF647 100ul
 #C49741-AF680 100ul #C49741-AF750 100ul #C49741-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	EAAT3 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	EAA3_HUMAN antibody EAAC 1 antibody EAAC1 antibody EAAT 3 antibody Excitatory amino acid carrier 1 antibody Excitatory amino acid carrier1 antibody Excitatory amino acid transporter 3 antibody Excitatory amino acid transporter3 antibody Excitatory amino-acid carrier 1 antibody GLUTAMATE TRANSPORTER, HIGH-AFFINITY antibody MEAAC 1 antibody MEAAC1 antibody Neuronal and epithelial glutamate transporter antibody REAAC 1 antibody REAAC1 antibody Slc1 a1 antibody Slc1a 1 antibody SLC1A1 antibody Sodium dependent glutamate/aspartate transporter 3 antibody Sodium-dependent glutamate/aspartate transporter 3 antibody Solute carrier family 1 (neuronal / epithelial high affinity glutamate transporter, system Xag), member 1 antibody SOLUTE CARRIER FAMILY 1 (NEURONAL/EPITHELIAL HIGH AFFINITY GLUTAMATE TRANSPORTER), MEMBER 1 antibody Solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 antibody Solute carrier family 1 member 1 antibody Solute carrier family 1, member 1 antibody
Accession No.	Swiss-Prot#:P43005
Uniprot	P43005
GenelD	6505;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	57 kDa (Predicted band size)
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate. Can also transport L-cysteine. 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. Mediates Cl⁻ flux that is not coupled to amino acid transport; this avoids the accumulation of negative charges due to aspartate and Na⁺ symport. Plays an important role in L-glutamate and L-aspartate reabsorption in renal tubuli. 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. Negatively regulated by ARL6IP5.

Note: This product is for in vitro research use only