# Nature Biosciences

## EAAT2 Rabbit mAb [2YOk]

### Cat NO. :A86922

## Information:

| Applications | Reactivity: | UniProt ID: | MW(kDa) | Host | Isotype | Size |
|---|---|---|---|---|---|---|
| WB IP | Human,Mouse,Rat | P43004 | 62kDa | Rabbit | IgG | 50ul,100ul,200ul |

## Applications detail：

| Application | Dilution |
|---|---|
| WB | 1:1000-2000 |

The optimal dilutions should be determined by the end user

## Conjugate：

UnConjugate

## Form：

Liquid

## sensitivity：

Endogenous

## Purification：

Affinity-chromatography

## Specificity：

Antibody is produced by immunizing animals with A synthesized peptide derived from human EAAT2

## Storage buffer and conditions：

Antibody store in 10 mM PBS, 0.5mg/ml BSA, 50% glycerol（buffer）.

Shipped at 4°C. Store at-20°C or -80°C.

Products are valid for one natural year of receipt.Avoid repeated freeze / thaw cycles.

## Tissue specificity：

## Subcellular location:

Cell membrane,Multi-pass membrane protein.

## Function：

Introduction: **WB:** Western Blot **IP:** Immunoprecipitation **IHC:** Immunohistochemistry **ChIP:** Chromatin Immunoprecipitation **ICC/IF:** Immunocytochemistry/ Immunofluorescence **F:** Flow Cytometry

Cross Reactivity: **H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Hr:** horse

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Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate (PubMed:7521911, PubMed:14506254, PubMed:15265858, PubMed:26690923). 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:14506254). 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:14506254). Essential for the rapid removal of released glutamate from the synaptic cleft, and for terminating the postsynaptic action of glutamate (By similarity)..

## Validation Data：

### EAAT2 Rabbit mAb [2YOk]　Images
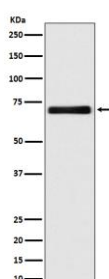


Western blot （SDS PAGE） analysis of extracts from HeLa cell lysate.Using EAAT2 Rabbit mAb [2YOk]at dilution of 1:1000 incubated at 4℃ over night.

View more information on http://naturebios.com

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 1% w/v Milk, 1X TBST at 4°C overnight.

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