

Product datasheet

Anti-EAAT4 antibody [EPR7742] - N-terminal ab186435

Recombinant RabMAb

[1 References](#) [3 Images](#)

Overview

Product name	Anti-EAAT4 antibody [EPR7742] - N-terminal
Description	Rabbit monoclonal [EPR7742] to EAAT4 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human astrocytoma, U87-MG, A375, PC3, C6, Raw264.7 and NIH 3T3 lysates.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7742
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab186435 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 62 kDa (predicted molecular weight: 62 kDa).

Target

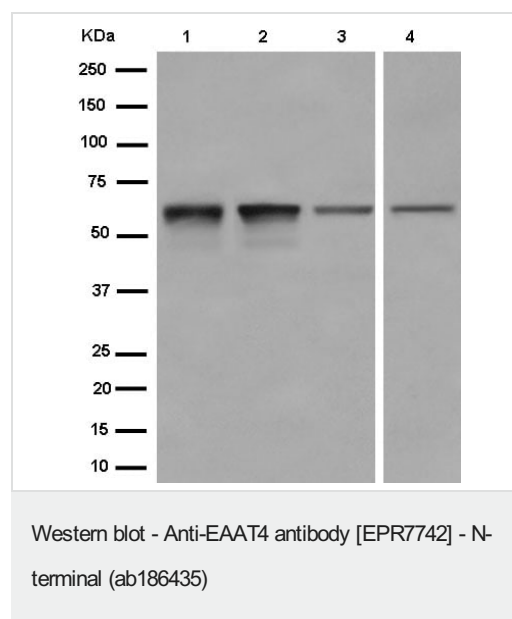
Relevance

EAAT4 is expressed predominantly in the cerebellum (Purkinje cells) and weakly in the forebrain, where it transports L-glutamate, L-aspartate and D-aspartate, acting as a symport by cotransporting sodium. EAAT4 may function as a combined transporter and inhibitory glutamate receptor and also functions as an anion-selective ion channel.

Cellular localization

Membrane; multi-pass membrane protein.

Images



All lanes : Anti-EAAT4 antibody [EPR7742] - N-terminal (ab186435) at 1/10000 dilution

Lane 1 : Human astrocytoma lysate

Lane 2 : U87-MG cell lysate

Lane 3 : A375 cell lysate

Lane 4 : PC3 cell lysate

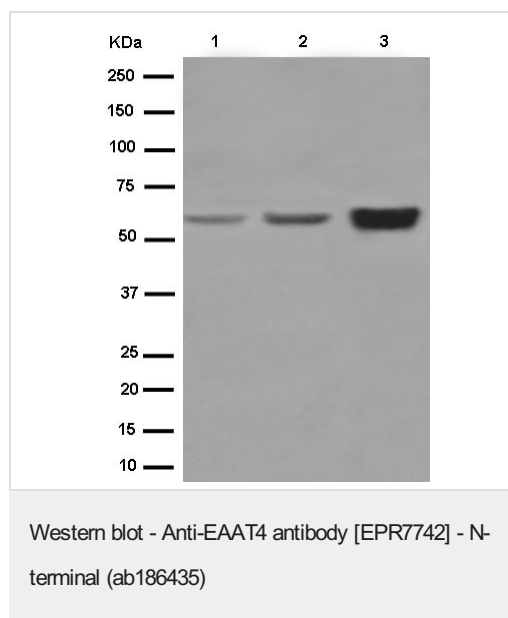
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 62 kDa

Observed band size: 62 kDa



All lanes : Anti-EAAT4 antibody [EPR7742] - N-terminal (ab186435) at 1/1000 dilution

Lane 1 : C6 lysate

Lane 2 : Raw264.7 cell lysate

Lane 3 : NIH 3T3 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 62 kDa

Observed band size: 62 kDa

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-EAAT4 antibody [EPR7742] - N-terminal (ab186435)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors