

Product datasheet

Anti-GABA Transporter 1 / GAT 1 antibody [EPR12998] ab177483

Recombinant RabMAb

★★★★★ 2 Abreviews 2 References 2 Images

Overview

Product name	Anti-GABA Transporter 1 / GAT 1 antibody [EPR12998]
Description	Rabbit monoclonal [EPR12998] to GABA Transporter 1 / GAT 1
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human GABA Transporter 1/ GAT 1 aa 1-100 (Cysteine residue). The exact sequence is proprietary. Database link: P30531
Positive control	Fetal brain lysate.
General notes	Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team. This product is a recombinant rabbit monoclonal antibody .

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	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.5% BSA
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR12998
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab177483** 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. Predicted molecular weight: 67 kDa.

Application notes Is unsuitable for ICC/IF, IHC-P or IP.

Target

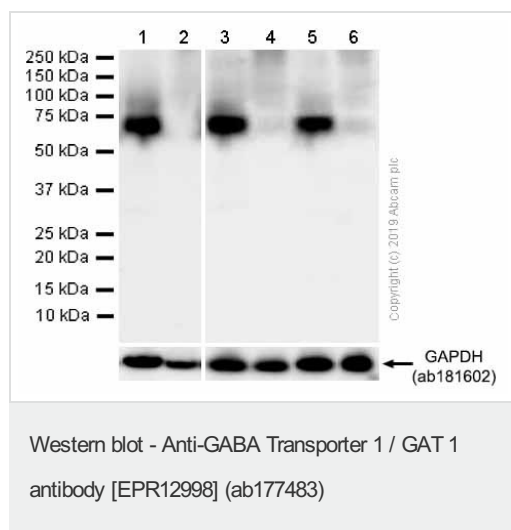
Function Terminates the action of GABA by its high affinity sodium-dependent reuptake into presynaptic terminals.

Sequence similarities Belongs to the sodium:neurotransmitter symporter (SNF) (TC 2.A.22) family. SLC6A1 subfamily.

Domain The PDZ domain-binding motif is involved in the interaction with MPP5.

Cellular localization Cell membrane. Membrane. Localized at the plasma membrane and in a subset of intracellular vesicles. Localized at the presynaptic terminals of interneurons.

Images



All lanes : Anti-GABA Transporter 1 / GAT 1 antibody [EPR12998] (ab177483) at 1/10000 dilution

Lane 1 : Human brain lysates unboiled with 5% NFDN/TBST

Lane 2 : Human brain lysates boiled with 5% NFDN/TBST

Lane 3 : Mouse brain unboiled with 5% NFDN/TBST

Lane 4 : Mouse brain boiled with 5% NFDN/TBST

Lane 5 : Rat brain unboiled with 5% NFDN/TBST

Lane 6 : Rat brain boiled with 5% NFDN/TBST

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 67 kDa

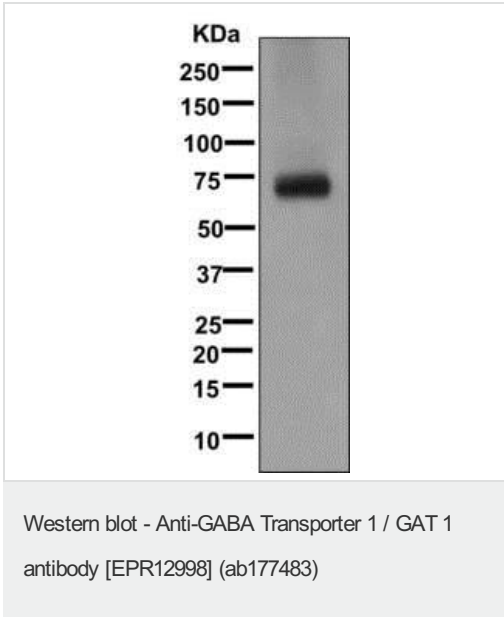
Observed band size: 67 kDa

Exposure time:

Lane 1 to 2: 20 seconds

Lane 3 to 6: 8 seconds

We recommend not to boil the samples after lysis to get desired WB results.



Anti-GABA Transporter 1 / GAT 1 antibody [EPR12998] (ab177483) at 1/1000 dilution + Fetal brain lysate at 10 µg

Predicted band size: 67 kDa

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

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