


Product datasheet

Anti-TAG1/TAX1 antibody [EPR5106] **ab133498**

Recombinant **RabMAb**

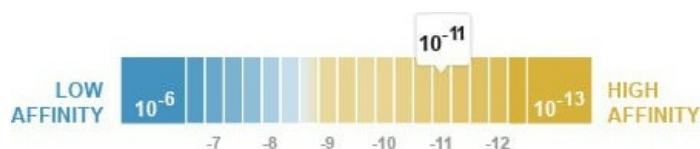
[3 References](#) [4 Images](#)

Overview

Product name	Anti-TAG1/TAX1 antibody [EPR5106]
Description	Rabbit monoclonal [EPR5106] to TAG1/TAX1
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide within Human TAG1/TAX1 aa 1-100. The exact sequence is proprietary.
Positive control	Fetal brain, Human cerebellum, U87-MG, and SH-SY5Y cell lysates, U87-MG cells.
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> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 3.02 x 10 ⁻¹¹ M



Learn more about K_D

Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5106
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133498 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

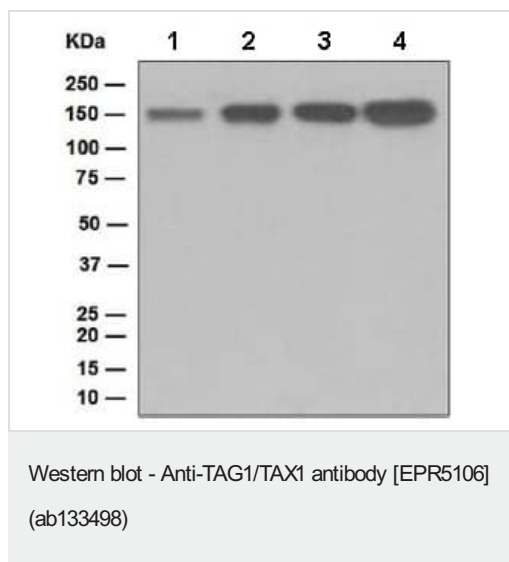
Application	Abreviews	Notes
Flow Cyt (Intra)		1/10 - 1/100. <u>ab172730</u> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000 - 1/50000. Detects a band of approximately 135 kDa (predicted molecular weight: 113 kDa).

Application notes Is unsuitable for IHC-P or IP.

Target

Function	May play a role in the initial growth and guidance of axons. May be involved in cell adhesion.
Sequence similarities	Belongs to the immunoglobulin superfamily. Contactin family. Contains 4 fibronectin type-III domains. Contains 6 Ig-like C2-type (immunoglobulin-like) domains.
Cellular localization	Cell membrane. Attached to the neuronal membrane by a GPI-anchor and is also released from neurons.

Images



All lanes : Anti-TAG1/TAX1 antibody [EPR5106] (ab133498) at 1/10000 dilution

Lane 1 : Fetal brain tissue lysate

Lane 2 : Human cerebellum lysate

Lane 3 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) cell lysate

Lane 4 : SH-SY5Y cell lysate

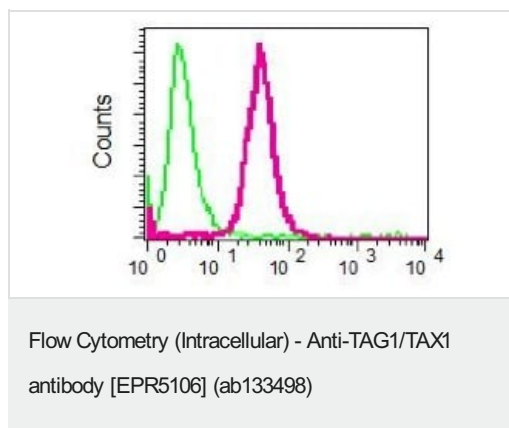
Lysates/proteins at 10 µg per lane.

Secondary

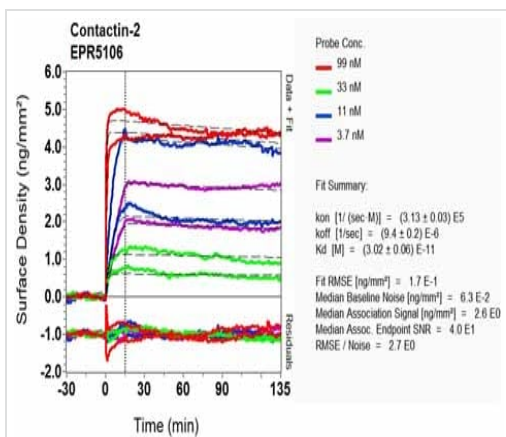
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 113 kDa

Observed band size: 135 kDa



Intracellular flow cytometrical analysis of permeabilized U87-MG cells using ab133498 at a dilution of 1/10 (red) or a rabbit IgG (negative) (green).



OI-RD Scanning - Anti-TAG1/TAX1 antibody
 [EPR5106] (ab133498)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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-TAG1/TAX1 antibody [EPR5106] (ab133498)

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

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