


Product datasheet

Anti-EAG1 antibody [EPR3802] ab108537

Recombinant RabMAb

2 Images

Overview

Product name	Anti-EAG1 antibody [EPR3802]
Description	Rabbit monoclonal [EPR3802] to EAG1
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	SH-SY5Y, MCF7 and A673 cell 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 -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR3802

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab108537 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: 111 kDa.

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

Target

Function Pore-forming (alpha) subunit of voltage-gated non-inactivating delayed rectifier potassium channel. Channel properties may be modulated by cAMP and subunit assembly. Mediates IK(NI) current in myoblasts.

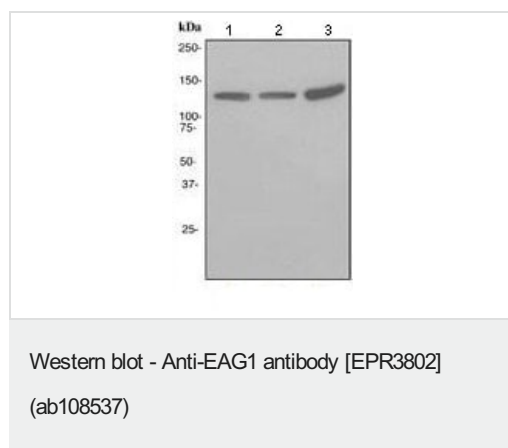
Tissue specificity Highly expressed in brain and in myoblasts at the onset of fusion, but not in other tissues. Detected in HeLa (cervical carcinoma), SH-SY5Y (neuroblastoma) and MCF-7 (epithelial tumor) cells, but not in normal epithelial cells.

Sequence similarities Belongs to the potassium channel family. H (Eag) (TC 1.A.1.20) subfamily. Kv10.1/KCNH1 sub-subfamily.
Contains 1 cyclic nucleotide-binding domain.
Contains 1 PAC (PAS-associated C-terminal) domain.
Contains 1 PAS (PER-ARNT-SIM) domain.

Domain The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.

Cellular localization Membrane.

Images



All lanes : Anti-EAG1 antibody [EPR3802] (ab108537) at 1/1000 dilution

Lane 1 : SH-SY5Y cell lysate

Lane 2 : MCF7 cell lysate

Lane 3 : A673 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 111 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-EAG1 antibody [EPR3802] (ab108537)

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

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