


Anti-EAG1 antibody ab101174

[1 References](#) [1 Image](#)

Overview

Product name	Anti-EAG1 antibody
Description	Rabbit polyclonal to EAG1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat Predicted to work with: Cow, Human 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	This antibody gave a positive signal in the following tissue lysates: Rat Hippocampus; Rat Whole Brain; Mouse Hippocampus; Mouse Whole Brain.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p> <p>Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab101174 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		Use a concentration of 1 µg/ml. Detects a band of approximately 108 kDa (predicted molecular weight: 108 kDa).

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.

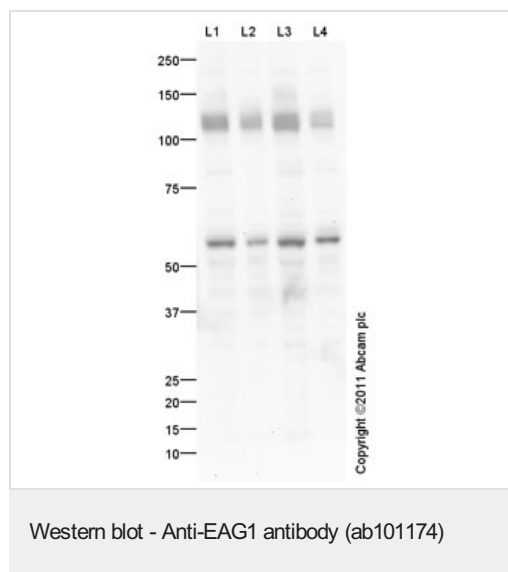
Domain

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 (ab101174) at 1 µg/ml

Lane 1 : Rat Hippocampus Tissue Lysate

Lane 2 : Brain (Rat) Tissue Lysate

Lane 3 : Mouse Hippocampus Tissue Lysate

Lane 4 : Brain (Mouse) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 108 kDa

Observed band size: 108 kDa

Additional bands at: 55 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 12 minutes

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

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