

Product datasheet

Anti-AKAP1 antibody [EPR10518] ab156004

KO VALIDATED Recombinant **RabMAb**

★★★★☆ 2 Abreviews 1 References 3 Images

Overview

Product name	Anti-AKAP1 antibody [EPR10518]
Description	Rabbit monoclonal [EPR10518] to AKAP1
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	SW480, Caco-2, and 293T cell lysates, 293T 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>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number EPR10518
Isotype IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab156004 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)		1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★ ★ ★ ★ ★ (2)	1/1000 - 1/10000. Detects a band of approximately 149 kDa (predicted molecular weight: 97 kDa).

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

Target

Function Binds to type I and II regulatory subunits of protein kinase A and anchors them to the cytoplasmic face of the mitochondrial outer membrane.

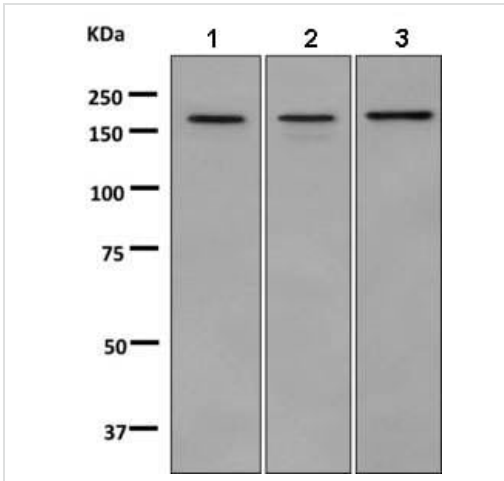
Tissue specificity AKAP149 is highly expressed in prostate and small intestine whereas S-AKAP84 is expressed in kidney, pancreas, liver, lung and brain. AKAP149 is also expressed in colon carcinoma.

Sequence similarities Contains 1 KH domain.
Contains 1 Tudor domain.

Domain RIL-alpha binding site, predicted to form an amphipathic helix, could participate in protein-protein interactions with a complementary surface on the R-subunit dimer.

Cellular localization Mitochondrion outer membrane.

Images



Western blot - Anti-AKAP1 antibody [EPR10518] (ab156004)

All lanes : Anti-AKAP1 antibody [EPR10518] (ab156004) at 1/1000 dilution

Lane 1 : SW480 cell lysate

Lane 2 : Caco-2 cell lysate

Lane 3 : 293T cell lysate

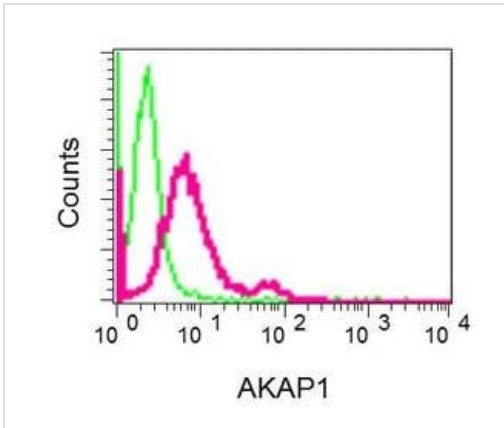
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 97 kDa





Observed band size: 149 kDa



Flow Cytometry (Intracellular) - Anti-AKAP1 antibody [EPR10518] (ab156004)

Intracellular flow cytometrical analysis of permeabilized 293T cells with ab156004 antibody at a dilution of 1/100 (red) compared to a negative rabbit IgG (green).

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-AKAP1 antibody [EPR10518] (ab156004)

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