


Product datasheet

Anti-AKAP1 antibody - N-terminal ab228875

3 Images

Overview

Product name	Anti-AKAP1 antibody - N-terminal
Description	Rabbit polyclonal to AKAP1 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee 
Immunogen	Recombinant fragment within Human AKAP1 (N terminal). The exact sequence is proprietary. Database link: Q92667
Positive control	WB: HeLa whole cell lysate. IHC-P: Human colon carcinoma tissue. ICC/IF: HeLa cells.
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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab228875 in the following tested applications.

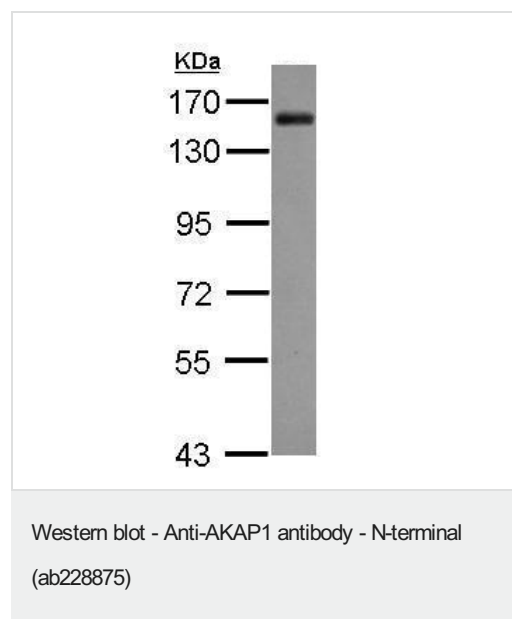
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/1000.
WB		1/5000 - 1/20000. Predicted molecular weight: 97 kDa.
ICC/IF		1/100 - 1/1000.

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	R11-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.

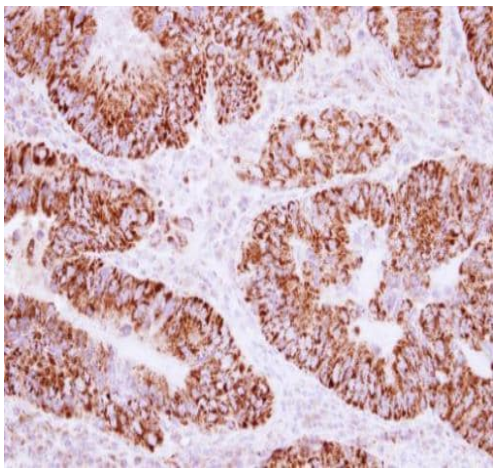
Images



Anti-AKAP1 antibody - N-terminal (ab228875) at 1/10000 dilution + HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate at 30 µg

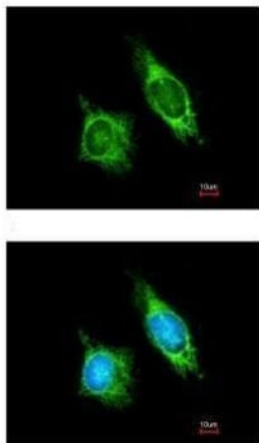
Predicted band size: 97 kDa

7.5% SDS-PAGE gel.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AKAP1 antibody - N-terminal (ab228875)

Paraffin-embedded human colon carcinoma tissue stained for AKAP1 with ab228875 at 1/250 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-AKAP1 antibody - N-terminal (ab228875)

Methanol-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for AKAP1 (green) using ab228875 at 1/200 dilution in ICC/IF.

Nuclear counterstain: Hoechst 33342 (blue).

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

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