


Product datasheet

Anti-AKAP3 antibody [EPR11261] ab170856

Recombinant RabMAb

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

Overview

Product name	Anti-AKAP3 antibody [EPR11261]
Description	Rabbit monoclonal [EPR11261] to AKAP3
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, ICC/IF Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide within Human AKAP3. The exact sequence is proprietary. Database link: O75969
Positive control	Y79, HuT-78, HeLa, 293T, NIH 3T3, NCI-H460 and Jurkat whole cell lysate (ab7899); HeLa cells; Permeabilized Jurkat cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR11261
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab170856 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

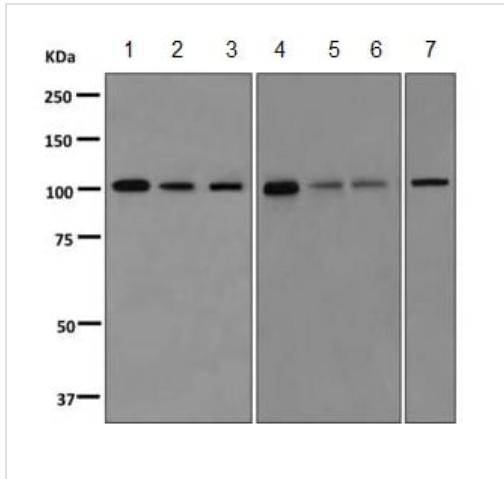
Application	Abreviews	Notes
Flow Cyt (Intra)		1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 95 kDa.
ICC/IF		1/250 - 1/500.

Application notes Is unsuitable for IHC-P or IP.

Target

Function	May function as a regulator of both motility- and head-associated functions such as capacitation and the acrosome reaction.
Tissue specificity	Testis specific; only expressed in spermatids.
Sequence similarities	Belongs to the AKAP110 family.
Domain	RIL-binding site, predicted to form an amphipathic helix, could participate in protein-protein interactions with a complementary surface on the R-subunit dimer.
Post-translational modifications	Phosphorylated on tyrosine residues.
Cellular localization	Cytoplasmic vesicle > secretory vesicle > acrosome. Ribs of the fibrous sheath in the principal piece of the sperm tail. Dorsal margin of the acrosomal segment.

Images



Western blot - Anti-AKAP3 antibody [EPR11261] (ab170856)

All lanes : Anti-AKAP3 antibody [EPR11261] (ab170856) at 1/1000 dilution

Lane 1 : Y79 (Human retinoblastoma cell line) cell lysate

Lane 2 : HuT-78 cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : 293T (Human embryonic kidney epithelial cell) cell lysate

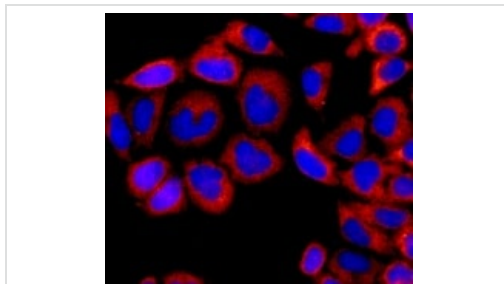
Lane 5 : NIH/3T3 cell lysate

Lane 6 : NCI-H460 cell lysate

Lane 7 : Jurkat cell lysate

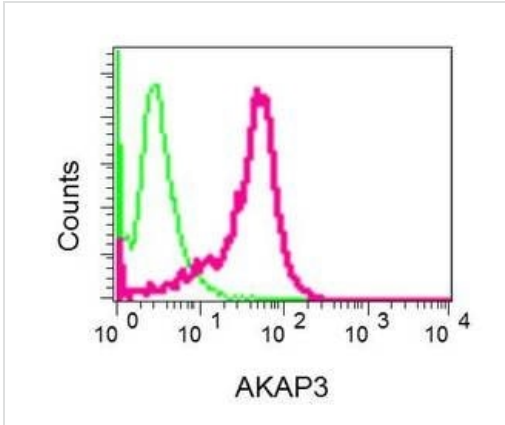
Lysates/proteins at 10 µg per lane.

Predicted band size: 95 kDa



Immunocytochemistry/ Immunofluorescence - Anti-AKAP3 antibody [EPR11261] (ab170856)





Immunofluorescent analysis of HeLa cells labeling AKAP3 with ab170856 at 1/250 dilution (red). DAPI nuclear staining (blue).



Intracellular flow cytometric analysis of permeabilized Jurkat cells labeling AKAP3 with ab170856 at 1/100 dilution (red) or a rabbit IgG (negative) (green).

Flow Cytometry (Intracellular) - Anti-AKAP3 antibody [EPR11261] (ab170856)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-AKAP3 antibody [EPR11261] (ab170856)

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

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