


Product datasheet

APC Anti-alpha smooth muscle Actin (acetyl E3) + ACTG2 (acetyl E3) antibody [E184] ab223921

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [2 Images](#)

Overview

Product name	APC Anti-alpha smooth muscle Actin (acetyl E3) + ACTG2 (acetyl E3) antibody [E184]
Description	APC Rabbit monoclonal [E184] to alpha smooth muscle Actin (acetyl E3) + ACTG2 (acetyl E3)
Host species	Rabbit
Conjugation	APC. Ex: 645nm, Em: 660nm
Specificity	The antibody has been shown to detect P62736-ACTA (gene <i>ACTA2</i>): (Ac)-EEEDSTALVC and P63267-ACTH (gene <i>ACTG2</i>): (Ac)-EEETTALVC in indirect ELISA.
Tested applications	Suitable for: Flow Cyt (Intra)
Species reactivity	Reacts with: Rat Predicted to work with: Mouse, Human 
Immunogen	Synthetic peptide within Human alpha smooth muscle Actin (N terminal). The exact sequence is proprietary. Database link: P62736
Positive control	Flow Cyt (intra): SV40LT-SMC 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. Upon delivery aliquot. Store at +4°C. Do Not Freeze. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide

	Constituents: 1% BSA, PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	E184
Isotype	IgG

Applications

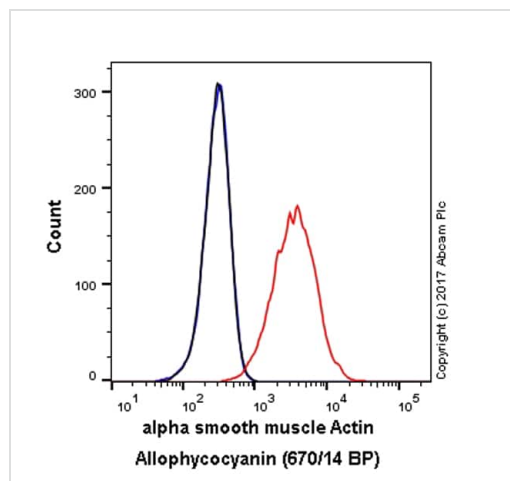
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab223921 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/5000. The cellular localisation of this product has been verified in ICC/IF.

Target

Cellular localization alpha smooth muscle Actin: Cytoplasm > cytoskeleton. ACTG2: Cytoplasm > cytoskeleton.

Images



Flow Cytometry (Intracellular) - APC Anti-alpha smooth muscle Actin (acetyl E3) + ACTG2 (acetyl E3) antibody [E184] (ab223921)

Overlay histogram showing SV40LT-SMC cells stained with ab223921 (red line). The cells were fixed with 4% formaldehyde (10 minutes) and then permeabilized with 0.1% PBS-Triton X-100 for 15 minutes. The cells were then incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (ab223921, 1/5000 dilution) for 30 minutes at 22°C.

Isotype control antibody (black line) was Rabbit IgG (monoclonal) Allophycocyanin used at the same concentration and conditions as the primary antibody. Unlabeled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 40 mW Red laser (640nm) and 670/14 bandpass filter.

This antibody gave a positive signal in SV40LT-SMC cells fixed with 80% methanol (5 minutes)/permeabilized with 0.1% PBS-Triton X-100 for 15 minutes used under the same conditions.

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

APC Anti-alpha smooth muscle Actin (acetyl E3) +
ACTG2 (acetyl E3) antibody [E184] (ab223921)

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

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