


# Alexa Fluor® 488 Anti-alpha 1 Sodium Potassium ATPase antibody [464.6] ab197496

★★★★★ [1 Abreviews](#) [3 References](#) [画像数 1](#)

### 製品の概要

製品名	Alexa Fluor® 488 Anti-alpha 1 Sodium Potassium ATPase antibody [464.6]
製品の詳細	Alexa Fluor® 488 Mouse monoclonal [464.6] to alpha 1 Sodium Potassium ATPase
由来種	Mouse
標識	Alexa Fluor® 488. Ex: 495nm, Em: 519nm
アプリケーション	適用あり: ICC/IF
種交差性	交差種: Rat, Human 交差が予測される動物種: Mouse, Sheep, Rabbit, Dog, Pig, Xenopus laevis, Monkey 
免疫原	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	ICC/IF: HEK293 cells.
特記事項	<p>Alexa Fluor® is a registered trademark of Molecular Probes®, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a>.</p> <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&amp;As</p>

## 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
精製度	IgG fraction
ポリモノ	モノクローナル
クローン名	464.6
アイソタイプ	IgG1
軽鎖の種類	kappa

## アプリケーション

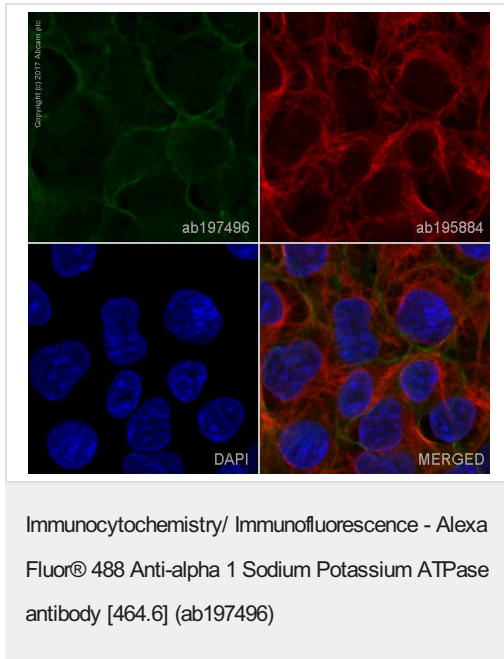
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab197496の使用に適用されます**  
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アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (1)	1/100 - 1/250. This product gave a positive signal in Hek293 cells fixed with 100% methanol (5 min)

## ターゲット情報

機能	This is the catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of sodium and potassium ions across the plasma membrane. This action creates the electrochemical gradient of sodium and potassium ions, providing the energy for active transport of various nutrients.
配列類似性	Belongs to the cation transport ATPase (P-type) (TC 3.A.3) family. Type IIc subfamily.
翻訳後修飾	Phosphorylation on Tyr-10 modulates pumping activity.
細胞内局在	Cell membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

## 画像



ab197496 staining alpha 1 Sodium Potassium ATPase in Hek293 cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab197496 at 1/250 dilution (shown in green) and **ab195884**, Rat monoclonal to Tubulin (Alexa Fluor® 647), at 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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