


# Alexa Fluor® 647 Anti-Hes1 antibody [EPR4226] ab196577

リコンビナント RabMAb

## 2 References [画像数 2](#)

### 製品の概要

|              |  |
|--------------|--|
| 製品名          | Alexa Fluor® 647 Anti-Hes1 antibody [EPR4226]  |
| 製品の詳細        | Alexa Fluor® 647 Rabbit monoclonal [EPR4226] to Hes1   |
| 由来種          | Rabbit   |
| 標識           | Alexa Fluor® 647. Ex: 652nm, Em: 668nm   |
| アプリケーション     | 適用あり: ICC/IF   |
| 種交差性         | 交差種: Human<br>交差が予測される動物種: Mouse, Rat   |
| 免疫原          | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.  |
| ポジティブ・コントロール | ICC/IF: MCF7 and SK-N-SH cells. Flow Cyt: SHSY5Y cells.  |
| 特記事項         | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a>.</p> <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 manufacture, (ii) 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> |

## 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<br>Preservative: 0.02% Sodium azide<br>Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS                              |
| 精製度    | Protein A purified   |
| ポリモノ   | モノクローナル  |
| クローン名  | EPR4226  |
| アイソタイプ | IgG  |

## アプリケーション

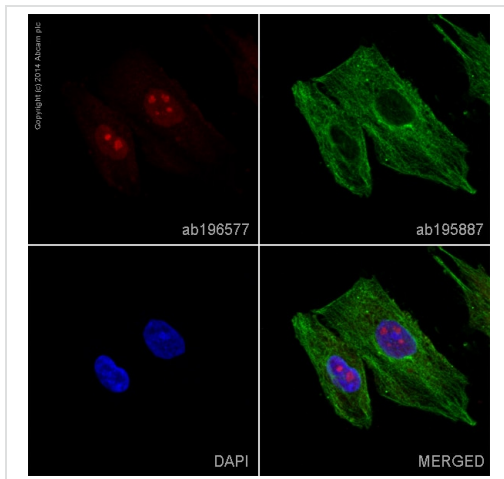
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab196577の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項  |
|----------|-----------|---|
| ICC/IF   |           | 1/200.<br>This product gave a positive signal in SK-N-SH cells fixed with 4% formaldehyde (10 min) and 100% methanol (5 min). |

## ターゲット情報

|       |   |
|-------|---|
| 機能    | Transcriptional repressor of genes that require a bHLH protein for their transcription. May act as a negative regulator of myogenesis by inhibiting the functions of MYOD1 and ASH1. Binds DNA on N-box motifs: 5'-CACNAG-3' with high affinity and on E-box motifs: 5'-CANNTG-3' with low affinity.  |
| 配列類似性 | Contains 1 basic helix-loop-helix (bHLH) domain.<br>Contains 1 Orange domain.   |
| ドメイン  | Has a particular type of basic domain (presence of a helix-interrupting proline) that binds to the N-box (CACNAG), rather than the canonical E-box (CANNTG).<br>The C-terminal WRPW motif is a transcriptional repression domain necessary for the interaction with Groucho/TLE family members, transcriptional corepressors recruited to specific target DNA by Hairy-related proteins.<br>The bHLH, as well as cooperation between the central Orange domain and the C-terminal WRPW motif, is required for transcriptional repressor activity. |
| 細胞内局在 | Nucleus.  |

## 画像



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 647 Anti-Hes1 antibody [EPR4226] (ab196577)

ab196577 staining Hes1 in SK-N-SH cells. The cells were fixed with 4% formaldehyde (10 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 ab196577 at 1/200 dilution (shown in red) and **ab195887**, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488), at 1/250 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue).

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

This product also gave a positive signal under the same testing conditions in SK-N-SH cells fixed with 100% methanol (5min).

Why choose a recombinant antibody?

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

Alexa Fluor® 647 Anti-Hes1 antibody [EPR4226] (ab196577)

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

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