


# Alexa Fluor® 647 Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] ab215232

リコンビナント **RabMAb**

画像数 2

## 製品の概要

|          |  |
|----------|--|
| 製品名      | Alexa Fluor® 647 Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2]   |
| 製品の詳細    | Alexa Fluor® 647 Rabbit monoclonal [EPR13374-2] to Elav-type RNA-binding protein ETR3  |
| 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      | Recombinant fragment within Human Elav-type RNA-binding protein ETR3 aa 400 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b>contact</b> our Scientific Support team to discuss your requirements.<br>Database link: <a href="#">O95319</a> |

 [Run BLAST with](#)

 [Run BLAST with](#)

ポジティブ・コントロール

ICC/IF: HeLa cells

特記事項

This product is a recombinant monoclonal antibody, which offers several advantages including:

- 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](#).

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## 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: PBS, 1% BSA, 30% Glycerol (glycerin, glycerine)                              |
| 精製度    | Protein A purified   |
| ポリ/モノ  | モノクローナル  |
| クローン名  | EPR13374-2   |
| 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ab215232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確認ください。

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

## ターゲット情報

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|----|--|
| 機能 | RNA-binding protein implicated in the regulation of several post-transcriptional events. Involved in pre-mRNA alternative splicing, mRNA translation and stability. Mediates exon inclusion and/or exclusion in pre-mRNA that are subject to tissue-specific and developmentally regulated alternative splicing. Specifically activates exon 5 inclusion of TNNT2 in embryonic, but not adult, skeletal muscle. Activates TNNT2 exon 5 inclusion by antagonizing the repressive effect of PTB. Acts as both an activator and repressor of a pair of coregulated exons: promotes inclusion of the smooth muscle (SM) exon but exclusion of the non-muscle (NM) exon in actinin pre-mRNAs. Promotes inclusion of exonS 21 and exclusion of exon 5 of the NMDA receptor R1 pre-mRNA. Involved in the apoB RNA editing activity. Increases COX2 mRNA stability and inhibits COX2 mRNA translation in epithelial cells after radiation injury (By similarity). Modulates the cellular apoptosis program by regulating COX2-mediated prostaglandin E2 (PGE2) expression (By similarity). Binds to (CUG) <sub>n</sub> triplet repeats in the 3'-UTR of transcripts such as DMPK. Binds to the |
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muscle-specific splicing enhancer (MSE) intronic sites flanking the TNNT2 alternative exon 5. Binds preferentially to UG-rich sequences, in particular UG repeat and UGUU motifs. Binds to apoB mRNA, specifically to AU-rich sequences located immediately upstream of the edited cytidine. Binds AU-rich sequences in the 3'-UTR of COX2 mRNA (By similarity). Binds to an intronic RNA element responsible for the silencing of exon 21 splicing (By similarity). Binds to (CUG)<sub>n</sub> repeats.

#### 組織特異性

Expressed in frontal cortex. Isoform 1 is expressed in brain and lung. Isoform 2 is expressed in heart, brain, placenta, lung, liver, kidney, skeletal muscle and pancreas. Isoform 4 is expressed in heart, lung, skeletal muscle, kidney and pancreas.

#### 配列類似性

Belongs to the CELF/BRUNOL family.  
Contains 3 RRM (RNA recognition motif) domains.

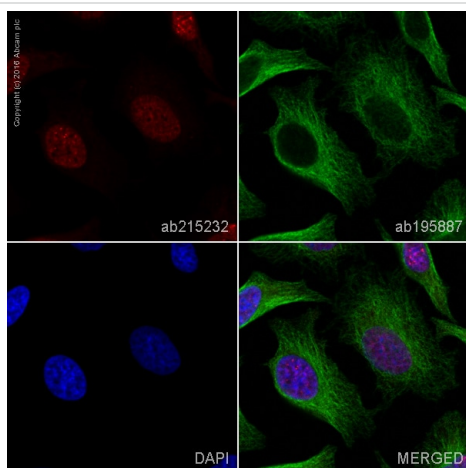
#### 発生段階

Isoform 1 is expressed in fetal brain. Isoform 2 is expressed in fetal heart, brain, thymus, lung, liver, skeletal muscle, kidney and spleen. Isoform 4 is expressed in fetal heart, brain, thymus, lung and skeletal muscle.

#### 細胞内局在

Nucleus. Cytoplasm. Accumulates in the cytoplasm after ionizing radiation (By similarity). Colocalizes with APOBEC1 and A1CF. RNA-binding activity is detected in both nuclear and cytoplasmic compartments.

#### 画像



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 647 Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab215232)

ab215232 staining Elav-type RNA-binding protein ETR3 in HeLa 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 ab215232 at 1/100 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 HeLa cells fixed with 4% formaldehyde (10 min).

### 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

Alexa Fluor® 647 Anti-Elav-type RNA-binding protein  
ETR3 antibody [EPR13374-2] (ab215232)

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

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