abcam

Product datasheet

Alexa Fluor® 488 Anti-TLE 1 antibody [EPR9386(2)] ab198523

Recombinant RabMAb

2 Images

Overview

Product name Alexa Fluor® 488 Anti-TLE 1 antibody [EPR9386(2)]

Description Alexa Fluor® 488 Rabbit monoclonal [EPR9386(2)] to TLE 1

Host species Rabbit

Conjugation Alexa Fluor® 488, Ex: 495nm, Em: 519nm

Tested applications Suitable for: ICC/IF Species reactivity Reacts with: Human

Predicted to work with: Mouse, Rat

Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. **Immunogen**

Positive control ICC/IF: HepG2 cells.

General notes 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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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. Store In the Dark.

Storage buffer pH: 7.40

Preservative: 0.02% Sodium azide

Constituents: 30% Glycerol (glycerin, glycerine), PBS, 1% BSA

Purity Protein A purified

ClonalityMonoclonalClone numberEPR9386(2)

Isotype IgG

Applications

Target

Post-translational

modifications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab198523 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
ICC/IF		1/100. This product gave a positive signal in HepG2 cells fixed with 4% formaldehyde (10 min) and 100% methanol (5 min).

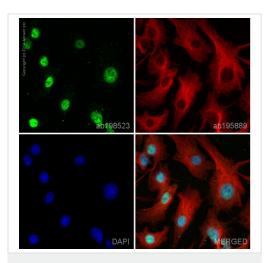
Function	Transcriptional corepressor that binds to a number of transcription factors. Inhibits NF-kappa-B-regulated gene expression. Inhibits the transcriptional activation mediated by FOXA2, and by CTNNB1 and TCF family members in Wnt signaling. The effects of full-length TLE family members may be modulated by association with dominant-negative AES. Unusual function as coactivator for ESRRG.	
Tissue specificity	In all tissues examined, mostly in brain, liver and muscle.	
Sequence similarities	Belongs to the WD repeat Groucho/TLE family. Contains 6 WD repeats.	
Domain	WD repeat Groucho/TLE family members are characterized by 5 regions, a glutamine-rich Q domain, a glycine/proline-rich GP domain, a central CcN domain, containing a nuclear localization signal, and a serine/proline-rich SP domain. The most highly conserved are the N-terminal Q domain and the C-terminal WD-repeat domain.	

cycle, and is highest at the G2/M transition. Becomes hyperphosphorylated in response to cell differentiation and interaction with HES1 or RUNX1.

Phosphorylated, probably by CDK1. The degree of phosphorylation varies throughout the cell

Ubiquitinated by XIAP/BIRC4.

Images

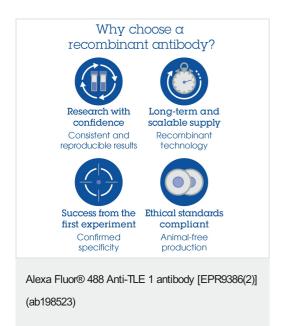


Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 488 Anti-TLE 1 antibody [EPR9386(2)] (ab198523)

ab198523 staining TLE 1 in HepG2 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 ab198523 at 1/100 dilution (shown in green) and ab195889, Mouse monoclonal to alpha Tubulin (Alexa Fluor[®] 594), 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).

This product also gave a positive signal under the same testing conditions in HepG2 cells fixed with 4% formaldehyde (10 min).



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