

Product datasheet

Anti-Renilla Luciferase antibody [EPR17791] - BSA and Azide free ab236020

Recombinant RabMAb

1 Image

Overview

Product name	Anti-Renilla Luciferase antibody [EPR17791] - BSA and Azide free
Description	Rabbit monoclonal [EPR17791] to Renilla Luciferase - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Other species Does not react with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Renilla Luciferase aa 1-100. The exact sequence is proprietary. Renilla reniformis (Sea pansy). Database link: P27652
Positive control	ICC/IF: HEK-293T cells transfected with Renilla Luciferase.
General notes	The formulation and the concentration of this product is compatible for metal-conjugation for mass cytometry (CyTOF®). ab236020 is a PBS-only buffer format of ab185925 . Please refer to ab185925 for recommended dilutions, protocols, and image data. Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents . This product is a recombinant rabbit monoclonal antibody .

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.
Storage buffer	Constituent: PBS

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR17791
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab236020** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

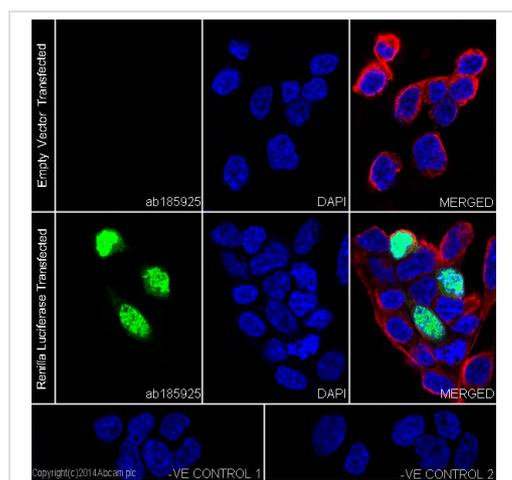
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 36 kDa (predicted molecular weight: 36 kDa).

Target

Relevance

The Green Renilla luciferase is a 36kDa protein produced by a derivative of the wild type Renilla luciferase gene from the sea pansy, *Renilla reniformis*. Compared to the wild type luciferase, Green Renilla is more stable in serum and has an the emission spectrum that is shifted toward the green region. The protein provides extremely bright flash signal that decays rapidly.

Images



Immunocytochemistry/ Immunofluorescence - Anti-Renilla Luciferase antibody [EPR17791] - BSA and Azide free (ab236020)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HEK-293T (Human epithelial cells from embryonic kidney) cells transfected with Empty vector or Renilla Luciferase, labeling Renilla Luciferase with [ab185925](#) at 1/1000 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor[®] 488) ([ab150077](#)) secondary antibody at 1/500 dilution (green). Nuclear staining on HEK-293T cells transfected with Renilla Luciferase is observed. The nuclear counter stain is DAPI (blue). Tubulin is detected with [ab7291](#) (anti-Tubulin mouse mAb) at 1/1000 dilution and [ab150120](#) (AlexaFluor[®]594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows;

-ve control 1: [ab185925](#) at 1/1000 dilution followed by [ab150120](#) (AlexaFluor[®]594 Goat anti-Mouse secondary) at 1/500 dilution.

-ve control 2: [ab7291](#) (anti-Tubulin mouse mAb) at 1/1000 dilution followed by [ab150077](#) (Alexa Fluor[®]488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab185925](#)).

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