abcam

Product datasheet

Anti-REG3A + REG3G antibody [EPRR18188] ab202057

Recombinant   RabMAb®

5 Images

Overview

Product name	Anti-REG3A + REG3G antibody [EPRR18188]
Description	Rabbit monoclonal [EPRR18188] to REG3A + REG3G
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, ICC/IF
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment within Human REG3A + REG3G aa 1 to the C-terminus. The exact sequence is proprietary. Database link: Q6UW15
Positive control	WB: Human small intestine lysate; REG3A recombinant protein fragment; REG3G recombinant protein fragment. IHC-P: Human pancreas tissue. ICC/IF: BxPC-3 and HT-29 cells.
General notes	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

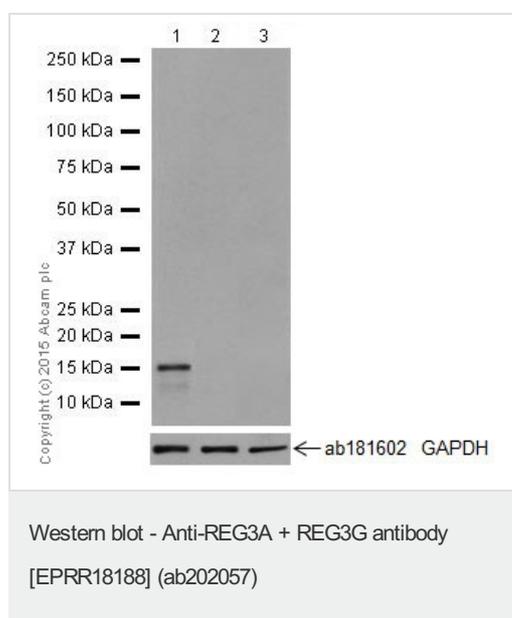|	
Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPRR18188
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab202057** 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
WB		1/1000. Detects a band of approximately 16 kDa (predicted molecular weight: 19 kDa).
IHC-P		1/600. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/1000.

Target

Images

Western blot - Anti-REG3A + REG3G antibody
[EPRR18188] (ab202057)

All lanes : Anti-REG3A + REG3G antibody [EPRR18188] (ab202057) at 1/1000 dilution

Lane 1 : Human small intestine lysate
Lane 2 : Human fetal liver lysate
Lane 3 : Human fetal brain lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

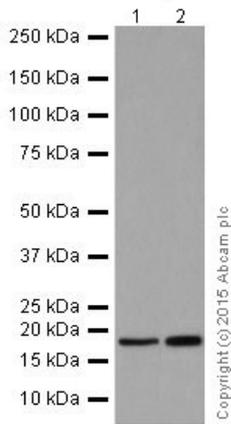**Predicted band size:** 19 kDa
Observed band size: 16 kDa
why is the actual band size different from the predicted?

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.

The expression profile observed is consistent with what has been described in the literatures PMID: 12890698 & 22943287 for REG3A and PMID: 22252863 & 21254165 for REG3G.
Please note both Human fetal liver and brain represent negative controls for REG3A and REG3G.

Western blot - Anti-REG3A + REG3G antibody [EPRR18188] (ab202057)

All lanes : Anti-REG3A + REG3G antibody [EPRR18188] (ab202057) at 1/10000 dilution

Lane 1 : REG3A recombinant protein fragment
Lane 2 : REG3G recombinant protein fragment

Lysates/proteins at 0.01 µg per lane.
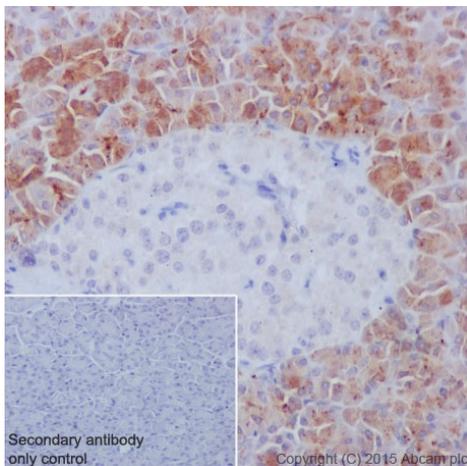
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 19 kDa
Observed band size: 16 kDa why is the actual band size different from the predicted?

Exposure time: 15 seconds
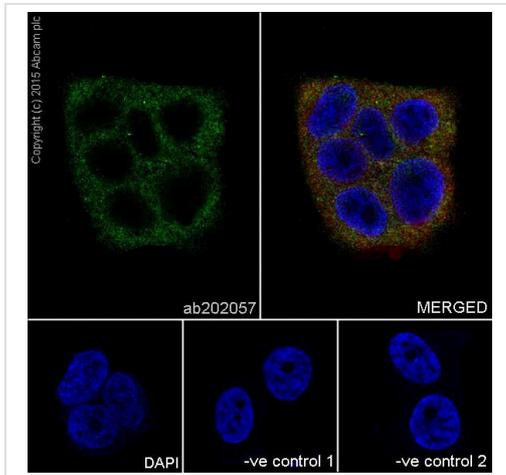
Blocking/Dilution buffer: 5% NFDM/TBST.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-REG3A + REG3G antibody [EPRR18188] (ab202057)

Immunohistochemical analysis of paraffin-embedded Human pancreas tissue labeling REG3G + REG3A with ab202057 at 1/600 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) secondary antibody at 1/500 dilution. Cytoplasmic staining on Human pancreas tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
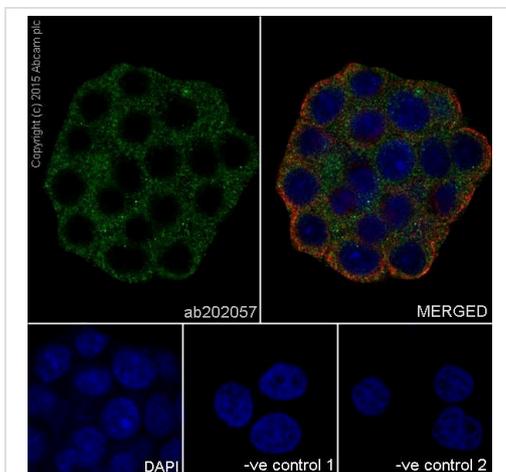
Immunocytochemistry/ Immunofluorescence - Anti-REG3A + REG3G antibody [EPRR18188] (ab202057)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized BxPC-3 (Human pancreas adenocarcinoma cells) cells labeling REG3G + REG3A with ab202057 at 1/1000 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/500 dilution (green). Confocal image showing cytoplasmic staining on BxPC-3 cell line. 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: ab202057 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.

Immunocytochemistry/ Immunofluorescence - Anti-REG3A + REG3G antibody [EPRR18188] (ab202057)

Immunofluorescent analysis of 100% Methanol-fixed, 0.1% Triton X-100 permeabilized HT-29 (Human colorectal adenocarcinoma cells) cells labeling REG3G + REG3A with ab202057 at 1/1000 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/500 dilution (green). Confocal image showing cytoplasmic staining on HT-29 cell line. 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: ab202057 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.

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

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