abcam

Product datasheet

Anti-AG-3 antibody [EPR19606] ab201464

Recombinant RabMAb

1 References 4 Images

Overview

Product name	Anti-AG-3 antibody [EPR19606]
Description	Rabbit monoclonal [EPR19606] to AG-3
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), ICC/IF, WB
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: MCF7 and T-47D whole cell lysates; human colon cancer, breast cancer and ovary cancer lysates. ICC/IF: MCF7 cells. Flow Cyt (intra): MCF7 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**.

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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR19606
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab201464 in the following tested applications.

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

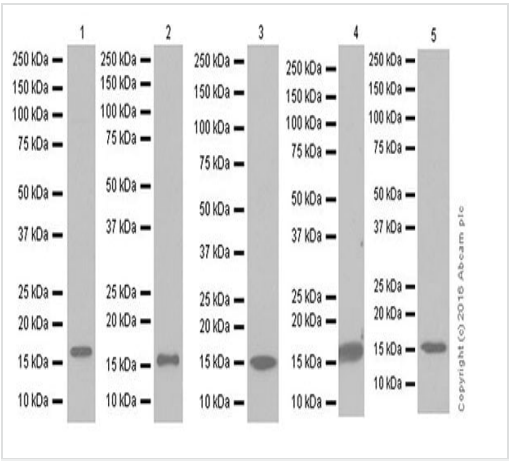
Application	Abreviews	Notes
Flow Cyt (Intra)		1/600.
ICC/IF		1/500.
WB		1/1000. Detects a band of approximately 19 kDa (predicted molecular weight: 19 kDa).

Target

Sequence similarities Belongs to the AGR family.

Cellular localization Secreted.

Images



Western blot - Anti-AG-3 antibody [EPR19606] (ab201464)

Lanes 1 & 5 : Anti-AG-3 antibody [EPR19606] (ab201464) at 1/2000 dilution
Lane 2 : Anti-AG-3 antibody [EPR19606] (ab201464) at 1/10000 dilution
Lanes 3-4 : Anti-AG-3 antibody [EPR19606] (ab201464) at 1/1000 dilution

Lane 1 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate
Lane 2 : T-47D (Human ductal breast epithelial tumor cell line) whole cell lysate
Lane 3 : Human colon cancer tissue lysate
Lane 4 : Human breast cancer tissue lysate
Lane 5 : Human ovary cancer tissue lysate

Lysates/proteins at 10 µg per lane.

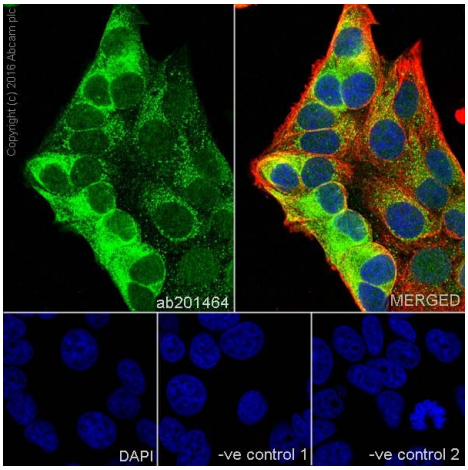
Secondary
Lanes 1-2 : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution
Lanes 3-5 : Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

Predicted band size: 19 kDa

Observed band size: 19 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lane 1/5: 15 seconds; Lane 2-4: 3 minutes.

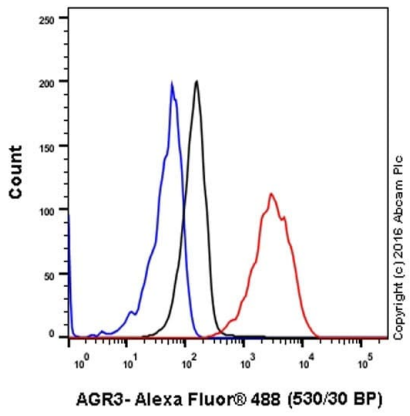


Immunocytochemistry/ Immunofluorescence - Anti-AG-3 antibody [EPR19606] (ab201464)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized MCF7 (Human breast adenocarcinoma cell line) cells labeling AG-3 with ab201464 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on MCF7 cells. The nuclear counter stain is DAPI (blue).

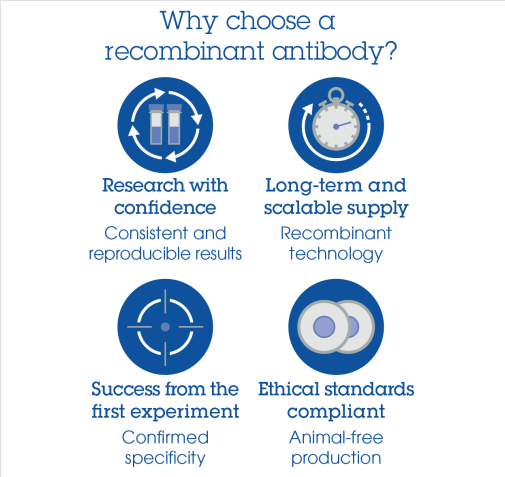
Tubulin is detected with Anti-alpha Tubulin mouse MAb (**ab7291**) at 1/1000 dilution, followed by Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) (**ab150120**) secondary antibody at 1/1000 dilution (red).

The negative controls are as follows:
-ve control 1: ab201464 at 1/500 dilution, followed by Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) (**ab150120**) secondary antibody at 1/1000 dilution.
-ve control 2: Anti-alpha Tubulin mouse MAb (**ab7291**) at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-AG-3 antibody [EPR19606] (ab201464)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed MCF7 (Human breast adenocarcinoma cell line) cells labeling AG-3 with ab201464 at 1/600 dilution (red) compared with a rabbit monoclonal IgG isotype control (**ab172730**; black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat Anti-Rabbit IgG (Alexa Fluorr® 488) at 1/2000 dilution was used as the secondary antibody.



Anti-AG-3 antibody [EPR19606] (ab201464)

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