

For Research Use Only

AGR2 Monoclonal antibody, PBS Only

Catalog Number: 66768-1-PBS



Basic Information

Catalog Number:

66768-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG2919

GenBank Accession Number:

BC015503

GeneID (NCBI):

10551

UNIPROT ID:

O95994

Full Name:

anterior gradient homolog 2 (Xenopus laevis)

Calculated MW:

175 aa, 20 kDa

Observed MW:

17 kDa

Purification Method:

Protein A purification

CloneNo.:

1A8A8

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, FC (Intra), Indirect ELISA

Species Specificity:

human, pig

Background Information

AGR2, also named AG2 or HPC8, encodes anterior gradient protein 2 homolog which belongs to the AGR family. It is a secreted protein localized in endoplasmic reticulum. AGR2 plays roles in MUC2 post-transcriptional synthesis, secretion and production of mucus by intestinal cells. AGR2 was significantly elevated in the pancreatic juice from patients with pre-malignant conditions as well as pancreatic cancer compared to control pancreatic juice samples. AGR2 levels in pancreatic juice could potentially be used to aide in assessment of high-risk patients undergoing endoscopic procedures.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.com

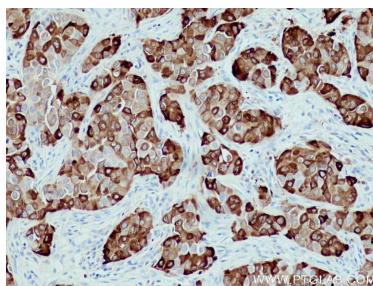
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

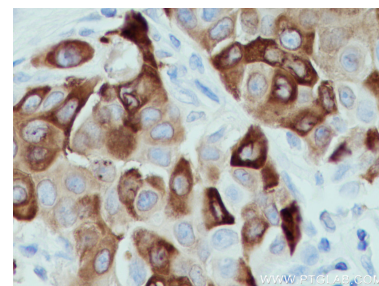
Selected Validation Data



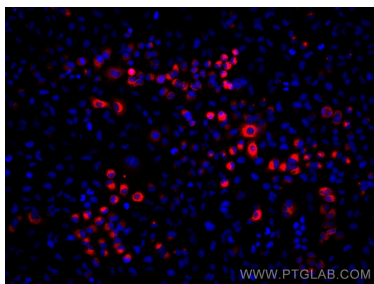
pig stomach tissue were subjected to SDS PAGE followed by western blot with 66768-1-Ig (AGR2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66768-1-PBS in a different storage buffer formulation.



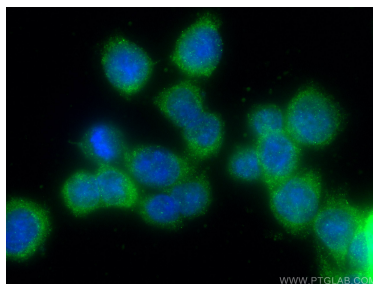
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66768-1-Ig (AGR2 antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66768-1-PBS in a different storage buffer formulation.



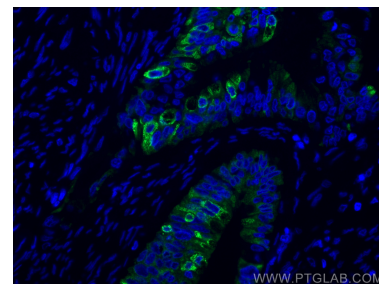
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66768-1-Ig (AGR2 antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66768-1-PBS in a different storage buffer formulation.



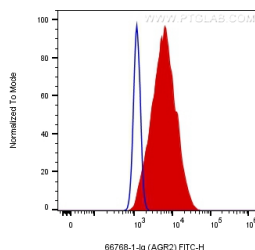
Immunofluorescent analysis of (4% PFA) fixed A549 cells using AGR2 antibody (66768-1-Ig, Clone: 1A8A8) at dilution of 1:1500 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004). This data was developed using the same antibody clone with 66768-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HT-29 cells using AGR2 antibody (66768-1-Ig, Clone: 1A8A8) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66768-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using AGR2 antibody (66768-1-Ig, Clone: 1A8A8) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66768-1-PBS in a different storage buffer formulation.



1X10⁶ HT-29 cells were intracellularly stained with 0.2 ug Anti-Human AGR2 (66768-1-Ig, Clone:1A8A8) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), and 0.2 ug Mouse IgG2b Isotype Control (66360-3-Ig, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100. This data was developed using the same antibody clone with 66768-1-PBS in a different storage buffer formulation.