

For Research Use Only

AGR2 Monoclonal antibody, PBS Only



Catalog Number: 66768-1-PBS

Basic Information

Catalog Number:

66768-1-PBS

Size:

1 mg/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, Indirect ELISA, IHC, IF, FC

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.

Storage Buffer:

PBS Only

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

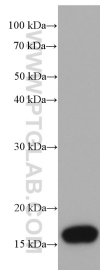
T: 4006900926

E: Proteintech-CN@ptglab.com

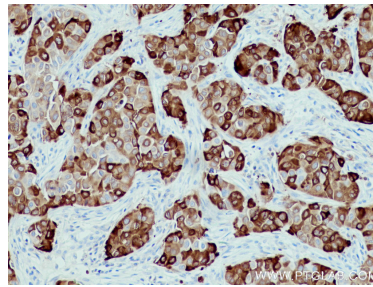
W: ptgcn.com

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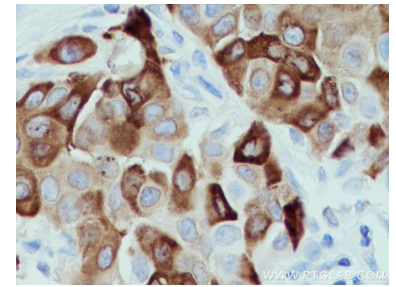
Selected Validation Data



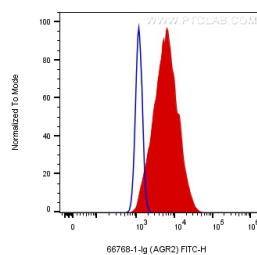
pig stomach tissue were subjected to SDS PAGE followed by western blot with 66768-1-Ig (AGR2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66768-1-PBS in a different storage buffer formulation.



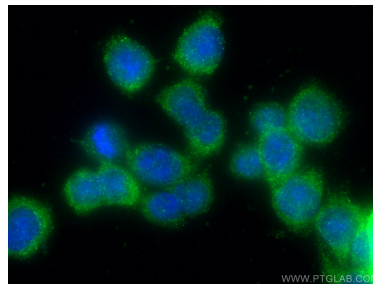
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66768-1-Ig (AGR2 antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66768-1-PBS in a different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



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.



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.