For Research Use Only

# CoraLite® Plus 488-conjugated AGR2 Monoclonal antibody

Catalog Number:CL488-66768

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## Basic Information

Catalog Number:
CL488-66768

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

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

Recommended Dilutions:
IF-P 1:50-1:500
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

## Applications

Tested Applications:
IF/ICC, IF-P

Species Specificity:
human, pig

Positive Controls:

IF-P : human colon cancer tissue,

IF/ICC : HT-29 cells, human colon cancer tissue

## Background Information

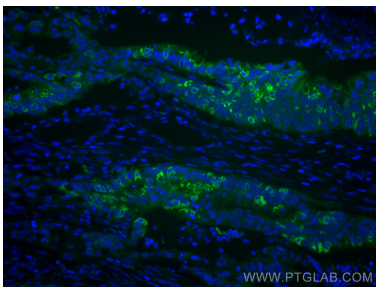
AGR2, also named AG2 or HPC8, encodes anterior gradient protein 2 homolog which belongs to the AGR family. It is a secreted protein localized in endoplasmic reticulum. AGR2 plays roles in MUC2 post-transcriptional synthesis,secretion and production of mucus by intestinal cells. AGR2 was significantly 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

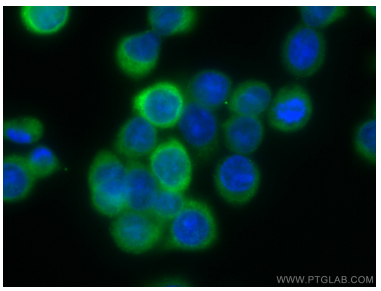
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

## Selected Validation Data




Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite® Plus 488 AGR2 antibody (CL488-66768, Clone: 1A8A8 ) at dilution of 1:200.




Immunofluorescent analysis of (-20°C Ethanol) fixed HT-29 cells using CoraLite®®488 AGR2 antibody (CL488-66768, Clone: 1A8A8 ) at dilution of 1:200.