

# CoraLite® Plus 488-conjugated AGR2 Monoclonal antibody

Catalog Number: **CL488-66768**

## Basic Information

Catalog Number: <b>CL488-66768</b>	GenBank Accession Number: <b>BC015503</b>	Purification Method: <b>Protein A purification</b>
Size: <b>1000 µg/ml</b>	GeneID (NCBI): <b>10551</b>	CloneNo.: <b>1A8A8</b>
Source: <b>Mouse</b>	UNIPROT ID: <b>O95994</b>	Recommended Dilutions: <b>IF-P 1:50-1:500</b> <b>IF/ICC 1:50-1:500</b>
Isotype: <b>IgG2b</b>	Full Name: <b>anterior gradient homolog 2 (Xenopus laevis)</b>	Excitation/Emission maxima wavelengths: <b>493 nm / 522 nm</b>
Immunogen Catalog Number: <b>AG2919</b>	Calculated MW: <b>175 aa, 20 kDa</b>	
	Observed MW: <b>17 kDa</b>	

## Applications

Tested Applications: <b>IF/ICC, IF-P</b>	Positive Controls:
Species Specificity: <b>human, pig</b>	<b>IF-P</b> : human colon cancer tissue, <b>IF/ICC</b> : HT-29 cells, human colon cancer tissue

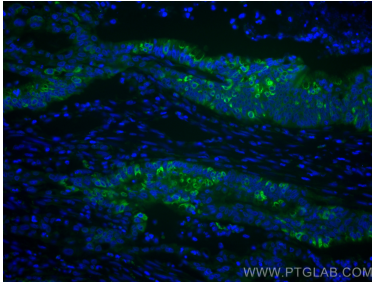
## Background Information

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.

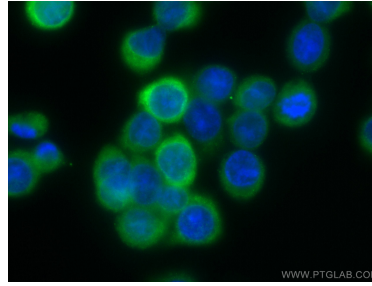
## Storage

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

## 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.