

For Research Use Only

# CoraLite®594-conjugated AGR2 Monoclonal antibody



Catalog Number:CL594-66768

## Basic Information

<b>Catalog Number:</b> CL594-66768	<b>GenBank Accession Number:</b> BC015503	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10551	<b>CloneNo.:</b> 1A8A8
<b>Source:</b> Mouse	<b>Full Name:</b> anterior gradient homolog 2 (Xenopus laevis)	<b>Recommended Dilutions:</b> 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 175 aa, 20 kDa	<b>Excitation/Emission maxima wavelengths:</b> 593 nm/614 nm
<b>Immunogen Catalog Number:</b> AG2919	<b>Observed MW:</b> 17 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : HT-29 cells,
<b>Species Specificity:</b> 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 -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**

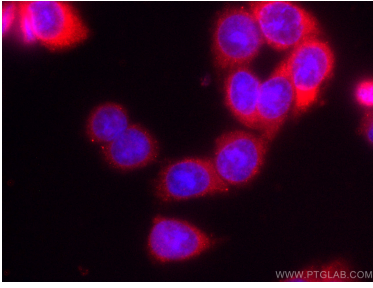
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HT-29 cells using CoraLite®@594 AGR2 antibody (CL594-66768, Clone: 1A8A8 ) at dilution of 1:200.