

CoraLite®594-conjugated AGR2 Monoclonal antibody

Catalog Number: **CL594-66768**

Basic Information

Catalog Number: CL594-66768	GenBank Accession Number: BC015503	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 10551	CloneNo.: 1A8A8
Source: Mouse	UNIPROT ID: O95994	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2b	Full Name: anterior gradient homolog 2 (Xenopus laevis)	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG2919	Calculated MW: 175 aa, 20 kDa	
	Observed MW: 17 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HT-29 cells,
Species Specificity: Human, Pig	

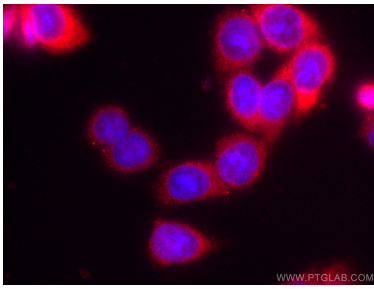
Background Information

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