

Anti-G-protein coupled receptor 30/GPER1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PA2235-Fluoro488

About GPER1

G-protein coupled estrogen receptor 1 (GPER1), also known as the GPR30 or CEPR is a G protein-coupled receptor that in humans is encoded by the GPER gene. This gene is a member of the G-protein coupled receptor 1 family and encodes a multi-pass membrane protein that localizes to the endoplasmic reticulum. It is mapped to 7p22.3. The protein binds estrogen, resulting in intracellular calcium mobilization and synthesis of phosphatidylinositol 3,4,5-trisphosphate in the nucleus. This protein therefore plays a role in the rapid nongenomic signaling events widely observed following stimulation of cells and tissues with estrogen. Alternate transcriptional splice variants which encode the same protein have been characterized.

Overview

Product Name	Anti-G-protein coupled receptor 30/GPER1 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Monkey
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q99527

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human G-protein coupled receptor 30, different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488

	Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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