

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

Catalog Number: PA2235-HRP

### 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® HRP Conjugated
Reactive Species	Human, Monkey
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
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	HRP

Suggested Dilutions

The intended application should be selected according to the customer's experimental requirements.

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