

## Anti-GPR170 Antibody

Rabbit polyclonal antibody to GPR170 Catalog # AP61534

## Specification

# Anti-GPR170 Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW WB, IF <u>O8TDS5</u> Human, Mouse Rabbit Polyclonal 41426

## **Anti-GPR170 Antibody - Additional Information**

Gene ID 165140

**Other Names** GPR170; TG1019; Oxoeicosanoid receptor 1; 5-oxo-ETE G-protein coupled receptor; G-protein coupled receptor 170; G-protein coupled receptor R527; G-protein coupled receptor TG1019

Target/Specificity Recognizes endogenous levels of GPR170 protein.

Dilution WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500) IF~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

**Format** Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage Store at -20 °C.Stable for 12 months from date of receipt

# Anti-GPR170 Antibody - Protein Information

Name OXER1

Synonyms GPR170, TG1019

**Function** Receptor for eicosanoids and polyunsaturated fatty acids such as 5-oxo-6E,8Z,11Z,14Z-eicosatetraenoic acid (5-OXO-ETE), 5(S)hydroperoxy-6E,8Z,11Z,14Z-eicosatetraenoic acid (5(S)-HPETE) and arachidonic acid. Seems to be coupled to the G(i)/G(o), families of heteromeric G proteins.

**Cellular Location** 



Membrane; Multi-pass membrane protein

#### **Tissue Location**

Expressed in various tissues except brain. Expression is more intense in liver, kidney, peripheral leukocyte, lung, and spleen than in other tissues. Highly expressed in eosinophils, neutrophils, and lung macrophages

# **Anti-GPR170 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

### Anti-GPR170 Antibody - Images



Western blot analysis of GPR170 expression in LOVO (A), SGC7901 (B), Panc1 (C), LO2 (D) whole cell lysates.



Immunohistochemical analysis of GPR170 staining in human breast cancer formalin fixed paraffin



embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of GPR170 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

# Anti-GPR170 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR170. The exact sequence is proprietary.