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# **Recombinant GPER1 Monoclonal Antibody**

catalog number: AN300685L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human GPER1 protein

Host Rabbit Isotype IgG,ĸ Clone B624 **Purification** Protein A

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

**Applications Recommended Dilution** 

1:2000-1:10000 WB

#### Data



Western Blot with Recombinant GPER1 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Mouse brain

whole cell lysate.

Observed-MW:55 kDa Calculated-MW:42 kDa

## **Preparation & Storage**

**Storage** Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping** Ice bag

## **Background**

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. 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.

Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com Email: techsupport@elabscience.com Rev. V1.1