

**GPER1 Recombinant Rabbit mAb**

Catalog: BS49748

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

This gene encodes a multi-pass membrane protein that localizes to the endoplasmic reticulum and a member of the G-protein coupled receptor 1 family. This receptor binds estrogen and activates multiple downstream signaling pathways, leading to stimulation of adenylate cyclase and an increase in cyclic AMP levels, while also promoting 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. This receptor has been shown to play a role in diverse biological processes, including bone and nervous system development, metabolism, cognition, male fertility and uterine function. [provided by RefSeq, Aug 2017]

**Product:**

1mg/ml in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA.

**Molecular Weight:**

55 kDa

**Swiss-Prot:**

Q99527, Q8BMP4, O08878

**Purification&Purity:**

Affinity Purification

**Applications:**

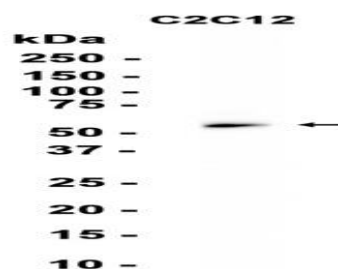
WB: 1:1000 ; IHC-P: 1:100-1:200

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

The antibody detects endogenous levels of it.

**DATA:**

Western blot analysis of extracts from C2C12 cells using it at 1:500.

**Note:**

For research use only, not for use in diagnostic procedure.

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