

GPER1 Rabbit pAb

CatalogNo: YN2525

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 41kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000**ELISA 1:5000-20000**

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 300-380**Specificity** GPER Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name GPER CEPR CMKRL2 DRY12 GPR30

Protein Name G-protein coupled estrogen receptor 1

Organism	Gene ID	UniProt ID
Human	2852;	Q99527;
Mouse		Q8BMP4;
Rat		O08878;

Cellular Localization

Nucleus. Cytoplasm . Cytoplasm, perinuclear region. Cytoplasm, cytoskeleton. Cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Early endosome. Recycling endosome. Golgi apparatus membrane ; Multi-pass membrane protein . Golgi apparatus, trans-Golgi network. Endoplasmic reticulum membrane ; Multi-pass membrane protein. Cell projection, dendrite . Cell projection, dendritic spine membrane ; Multi-pass membrane protein . Cell projection, axon . Cell junction, synapse, postsynaptic density . Mitochondrion membrane ; Multi-pass membrane protein . Colocalized with BSN to the active zone of presynaptic density. Colocalized with DLG4/PSD95 and neurabin-2 PPP1R9B in neuronal synaptosomes (By similarity). Endocytosed in a agonist- and arrestin-independent manner. Colocalized with RAMP3 and clathrin-coated pits at the plasma membrane. Colocalized with transferrin receptor at the plasma membrane and perinuclear region. Accumulated and colocalized with RAB11 proteins in recycling endosomes and trans-Golgi network (TGN), but does neither recycle back to the cell surface nor traffics to late endosome or lysosome. Colocalized with calnexin in the endoplasmic reticulum. Traffics to intracellular sites via cytokeratin intermediate filaments like KRT7 and KRT8 after constitutive endocytosis in epithelial cells. Colocalized with EGFR in the nucleus of agonist-induced cancer-associated fibroblasts (CAF). .

Tissue specificity

Expressed in placenta, endothelial and epithelial cells, non laboring and laboring term myometrium, fibroblasts and cancer-associated fibroblasts (CAF), prostate cancer cells and invasive adenocarcinoma (at protein level). Ubiquitously expressed, but is most abundant in placenta. In brain regions, expressed as a 2.8 kb transcript in basal forebrain, frontal cortex, thalamus, hippocampus, caudate and putamen.

Function

Function:Receptor for estrogen.,similarity:Belongs to the G-protein coupled receptor 1 family.,subcellular location:Protein has been detected in the cell membrane, endoplasmic reticulum and Golgi apparatus. It is currently unclear whether this is a cell surface or intracellular receptor.,tissue specificity:Ubiquitously expressed, but is most abundant in placenta. In brain regions, expressed as a 2.8 kb transcript in basal forebrain, frontal cortex, thalamus, hippocampus, caudate and putamen.,

| Validation Data

| Contact information

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GPER1 Rabbit pAb

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