

Datasheet for ABIN2621459
anti-GPER antibody (AA 275-288)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	GPER
Binding Specificity:	AA 275-288
Reactivity:	Human, Rat, Monkey, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPER antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human G-protein coupled receptor 30(275-288aa ENVFISVHLLQRTQ), different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Isotype:	IgG
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. .
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Purification:	Immunogen affinity purified

Target Details

Target:	GPER
Alternative Name:	GPER1 / GPR30 (GPER Products)
Background:	Name/Gene ID: GPER1 Subfamily: Transmembrane Estrogen Receptor Family: GPCR Synonyms: GPER1, CMKRL2, CEPR, FEG-1, G-protein coupled receptor 30, G protein-coupled receptor 30, GPCR-Br, GPER, Heptahelix receptor, LERGU, LyGPR, MER, GPR30, IL8-related receptor DRY12, LERGU2, Chemokine receptor-like 2, DRY12, Membrane estrogen receptor
Gene ID:	2852
Pathways:	EGFR Signaling Pathway , Positive Regulation of Peptide Hormone Secretion , Intracellular Steroid Hormone Receptor Signaling Pathway , Steroid Hormone Mediated Signaling Pathway , Carbohydrate Homeostasis , cAMP Metabolic Process , Regulation of G-Protein Coupled Receptor Protein Signaling , Positive Regulation of Endopeptidase Activity , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	Distilled water
Concentration:	Lot specific
Buffer:	Contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg sodium azide per 100 µg antibody.
Preservative:	Sodium azide, Thimerosal (Merthiolate)
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Handling

Storage Comment: At -20°C for 1 year. After reconstitution, at 4°C for 1 month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid freeze-thaw cycles.