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# Datasheet for ABIN7043145 anti-GPER antibody (3rd Extracellular Loop)



3 Images



Quantity:	50 µL
Target:	GPER
Binding Specificity:	3rd Extracellular Loop, AA 294-307
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPER antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)
Product Details	
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CKQSFRHAYPLTGH, corresponding to amino acid residues 294 - 307 of mouse GPER1
lsotype:	lgG
Characteristics:	Anti-GPER1/GPR30 (extracellular) Antibody (ABIN7043145, ABIN7044265 and ABIN7044266)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and indirect live cell flow cytometry applications. It has been designed to recognize GPER1 from rat, mouse, and human samples.
Durification:	Affinity purified on immobilized antigen

Purification: Affinity purified on immobilized antigen.

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### Target Details

Target:	GPER
Alternative Name:	GPER1/GPR30 (GPER Products)
Background:	Alternative names: G protein-coupled estrogen receptor 1, G protein-coupled receptor 30, Membrane estrogen receptor, Chemoattractant receptor-like 2, GPER
Gene ID:	76854
NCBI Accession:	NM_001039966
UniProt:	Q8BMP4
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

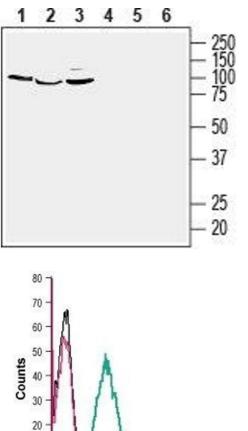
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

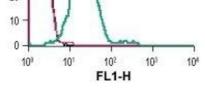
## Handling

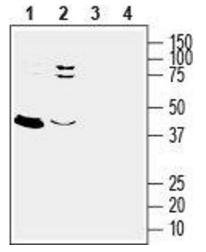
Format:	Lyophilized
Reconstitution:	25 $\mu L$ , 50 $\mu L$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.

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### Images







### Western Blotting

**Image 1.** Western blot analysis of human MCF-7 breast adenocarcinoma (lanes 1 and 4), human THP-1 monocytic leukemia (lanes 2 and 5) and human Jurkat T-cell leukemia (lanes 3 and 6) cell line lysates: - 1-3. Anti-GPER1/GPR30 (extracellular) Antibody (ABIN7043145, ABIN7044265 and ABIN7044266), (1:200). 4-6. Anti-GPER1/GPR30 (extracellular) Antibody, preincubated with GPER1/GPR30 (extracellular) Blocking Peptide (#BLP-ER049).

### **Flow Cytometry**

**Image 2.** Cell surface detection of GPER1 in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-GPER1/GPR30 (extracellular) Antibody (ABIN7043145, ABIN7044265 and ABIN7044266), (5 μg) + goat-anti-rabbit-FITC.

#### Western Blotting

**Image 3.** Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: - 1,2. Anti-GPER1/GPR30 (extracellular) Antibody (ABIN7043145, ABIN7044265 and ABIN7044266), (1:200). 3,4. Anti-GPER1/GPR30 (extracellular) Antibody, preincubated with GPER1/GPR30 (extracellular) Blocking Peptide (#BLP-ER049).

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