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Datasheet for ABIN6989280
anti-GPER antibody (AA 251-350)

Overview

Quantity:	100 µL
Target:	GPER
Binding Specificity:	AA 251-350
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPER antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GPR30
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog
Purification:	Purified by Protein A.

Target Details

Target:	GPER
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Target Details

Alternative Name: GPR30, ([GPER Products](#))

Background: Synonyms: G Protein Coupled Receptor 30, G-protein coupled receptor 30, G-protein coupled estrogen receptor 1, Membrane estrogen receptor, mER, Chemokine receptor-like 2, IL8-related receptor DRY12, Flow-induced endothelial G-protein coupled receptor 1, FEG-1, Lymphocyte-derived G-protein coupled receptor, LYGPR, GPCR-BR, CEPR, CMKRL2, DRY12, GPER.,
Background: G protein-coupled receptors (GPRs, or GPCRs) contain 7 hydrophobic transmembrane domains embedded in hydrophilic intra- and extracellular loops and transduce a variety of hormone, endogenous peptide, and neurotransmitter signals into intracellular effects via G proteins. GPR30 is a member of this family and is an orphan receptor. GPR30 expression has been reported in brain, breast carcinoma, blood, bone marrow, CNS, heart, liver, lung, lymph node, placenta, and spleen. In brain, GPR30 is expressed as a 2.8 kb transcript in basal forebrain, frontal cortex, thalamus, hippocampus, caudate and putamen. However, unlike other known G protein-coupled receptors, GPR30 localizes to the endoplasmic reticulum, where it specifically binds estrogen and estrogen derivatives.

Gene ID: 2852

UniProt: [Q99527](#)

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: WB 1:300-5000
FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months