

Datasheet for ABIN2789078
anti-GPER antibody (C-Term)



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Overview

Quantity:	100 µL
Target:	GPER
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPER antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	SFLGETFRDK LRLYIEQKTN LPALNRFCHA ALKAVIPDST EQSDVRFSSA
Predicted Reactivity:	Dog: 100%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against GPER. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	GPER
Alternative Name:	GPER (GPER Products)
Background:	This gene is a member of the G-protein coupled receptor 1 family and encodes a multi-pass membrane protein that localizes to the endoplasmic reticulum. The protein binds estrogen,

Target Details

resulting in 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. Alternate transcriptional splice variants which encode the same protein have been characterized.

Alias Symbols: CEPR, CMKRL2, DRY12, FEG-1, GPCR-Br, GPR30, LERGU, LERGU2, LyGPR, MGC99678, GPER

Protein Interaction Partner: UBC,
Protein Size: 375

Molecular Weight:	42 kDa
Gene ID:	2852
NCBI Accession:	NM_001098201 , NP_001091671
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:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 375 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

