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Datasheet for ABIN6141138

anti-GLP1R antibody (AA 22-116)

2 Images



Publication



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Characteristics:

Purification:

Quantity:	100 μL	
Target:	GLP1R	
Binding Specificity:	AA 22-116	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This GLP1R antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (IF)	
Product Details		
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 22-116 of human GLP1R (NP_002053.3).	
Sequence:	GPRPQGATVS LWETVQKWRE YRRQCQRSLT EDPPPATDLF CNRTFDEYAC WPDGEPGSFV NVSCPWYLPW ASSVPQGHVY RFCTAEGLWL QKDNS	
Isotype:	IgG	
Cross-Reactivity:	Mouse, Rat	

Polyclonal Antibodies

Affinity purification

Target Details

rarget Details				
Target:	GLP1R			
Alternative Name:	GLP1R (GLP1R Products)			
Background:	This gene encodes a 7-transmembrane protein that functions as a receptor for glucagon-like			
	peptide 1 (GLP-1) hormone, which stimulates glucose-induced insulin secretion. This receptor			
	which functions at the cell surface, becomes internalized in response to GLP-1 and GLP-1			
	analogs, and it plays an important role in the signaling cascades leading to insulin secretion. I			
	also displays neuroprotective effects in animal models. Polymorphisms in this gene are			
	associated with diabetes. The protein is an important drug target for the treatment of type 2			
	diabetes and stroke. Alternative splicing of this gene results in multiple transcript			
	variants.,GLP1R,GLP-1,GLP-1-R,GLP-1R,Cancer,Signal Transduction,G protein signaling,G-			
	Protein-Coupled Receptors(GPCR),Endocrine & Metabolism,Endocrine and metabolic			
	diseases, Diabetes, Neuroscience, Cardiovascular, GLP1R			
Molecular Weight:	53 kDa			
Gene ID:	2740			
UniProt:	P43220			
Pathways:	Positive Regulation of Peptide Hormone Secretion, Hormone Transport, cAMP Metabolic			
	Process, Feeding Behaviour			
Application Details				
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200			
Comment:	HIGH QUALITY			
Restrictions:	For Research Use only			
Handling				
Format:	Liquid			
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.			
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:	-20 °C			

Storage Comment:

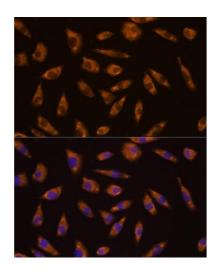
Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in:

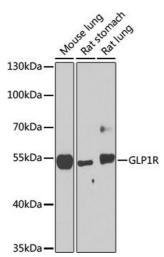
Liu, Chen, Pei, Zhang, Zou, Xiao, Zhou, Chen, Wang: "Decreased H3K9ac level of StAR mediated testicular dysplasia induced by prenatal dexamethasone exposure in male offspring rats." in: **Toxicology**, Vol. 408, pp. 1-10, (2018) (PubMed).

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using GLP1R antibody (ABIN6131006, ABIN6141138, ABIN6141140 and ABIN6224643) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using GLP1R antibody (ABIN6131006, ABIN6141138, ABIN6141140 and ABIN6224643) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.