10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GLP-1R Mouse mAb

Catalog # AP100318

Product Information

Application	WB, IF, IP
Primary Accession	P43220
Other Accession	P43220
Predicted	Rat, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	53026
Physical State	Liquid
Immunogen	Recombinant human GLP1R protein
Epitope Specificity	91-145/463
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 2 family.
SUBUNIT	May form homodimers and heterodimers with GIPR.
Post-translational modifications	N-glycosylation enhances cell surface expression and lengthens receptor half-life by preventing degradation in the ER.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	GLP1R is a receptor for glucagon-like peptide 1. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.It has been suggested that this protein influences the feelings of satiety or hunger, sensation of glucose levels, control of glucagon sensitivity of islets, and non insulin-dependent diabetes mellitus. GLP1R is believed to be expressed in human pancreas,lung, brain, stomach, kidney and heart. ESTs have been isolated from skin and kidney libraries.

Additional Information

Gene ID	2740
Other Names	GLP-1; GLP-1-R; GLP-1R; GLP1Rc; Glip; RATGL1RCP; GLP1R_HUMAN; GLP1R; GLP-1 receptor; GLP1R_MOUSE; GLP1R_RAT; Glpr; glucagon like peptide 1 receptor; glucagon-like peptide 1 receptor
Dilution	WB=1:100-1000,IP=1:20-100,IF=1:50-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GLP1R
Function	G protein-coupled receptor for glucagon-like peptide 1 (GLP- 1) (PubMed:19861722, PubMed:26308095, PubMed:27196125, PubMed:28514449, PubMed:7517895, PubMed:8216285, PubMed:8405712). Ligand binding triggers activation of a signaling cascade that leads to the activation of adenylyl cyclase and increased intracellular cAMP levels (PubMed:19861722, PubMed:26308095, PubMed:27196125, PubMed:28514449, PubMed:7517895, PubMed:8216285, PubMed:8405712). Plays a role in regulating insulin secretion in response to GLP-1 (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.