ARG90005
anti-GLP1 Receptor antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GLP1 Receptor
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Specificity	Recognizes endogenous levels of GLP1 Receptor protein.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GLP1 Receptor
Species	Human
Immunogen	KLH-conjugated synthetic peptide around the center region of Human GLP1 Receptor.
Conjugation	Un-conjugated
Alternate Names	GLP-1 receptor; GLP-1-R; Glucagon-like peptide 1 receptor; GLP-1R

Application Instructions

Application table

Application	Dilution
ICC/IF	1:100 - 1:500
IHC-P	1:100 - 1:200
WB	1:500 - 1:1000

Application Note

IHC-P: Antigen Retrieval: Sodium citrate buffer (pH 6.0)
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

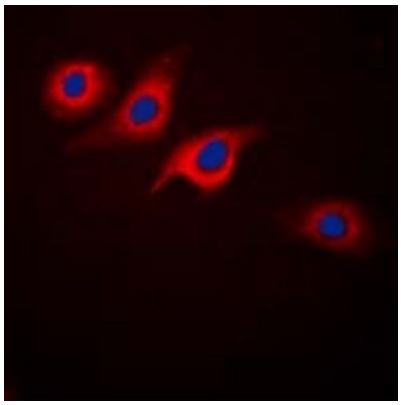
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

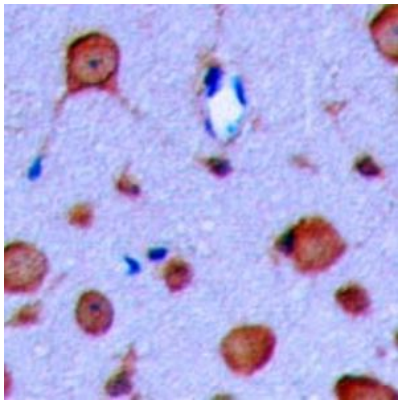
Database links	GeneID: 2740 Human Swiss-port # P43220 Human
Gene Symbol	GLP1R
Gene Full Name	glucagon-like peptide 1 receptor
Function	This is a receptor for glucagon-like peptide 1. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. [UniProt]
Highlight	Related news: Studying obesity and appetite control by quantifying orexigenic and anorexigenic hormones;
Calculated Mw	53 kDa
PTM	N-glycosylation enhances cell surface expression and lengthens receptor half-life by preventing degradation in the ER.

Images



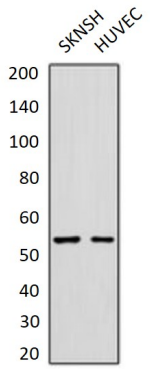
ARG90005 anti-GLP1 Receptor antibody ICC/IF image

Immunocytochemistry: SKNSH cells stained with ARG90005 anti-GLP1 Receptor antibody (red). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at RT. Cells were stained with the primary antibody in 3% BSA-PBS and incubated overnight at 4°C in a hidified chamber. DAPI was used to stain the cell nuclei (blue).



ARG90005 anti-GLP1 Receptor antibody IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin embedded Human brain section stained with ARG90005 anti-GLP1 Receptor antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0), then incubated with the antibody at RT and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



ARG90005 anti-GLP1 Receptor antibody WB image

Western blot: SKNSH and HUVEC whole cell lysates stained with ARG90005 anti-GLP1 Receptor antibody.