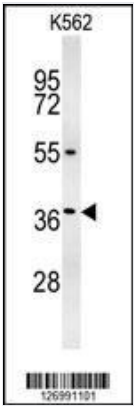
GLP1 Antibody – Rabbit Polyclonal

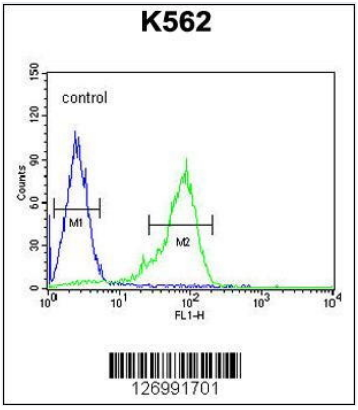
PRODUCT OVERVIEW

Product Name	GLP1, Polyclonal Antibody
Full Product Name	GLP1, ID (ZGLP1, GLP1, GATA-type zinc finger protein 1, GATA-like protein 1) (AP)
Product Gene Name	anti-GLP1 antibody
Product Synonym Names	ZGLP1; GLP1; GATA-type zinc finger protein 1; GATA-like protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	29,628 Da
OMIM	611639
3D Structure	ModBase 3D Structure for P0C6A0
Immunogen	GLP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 92-121 amino acids from the Central region of human GLP1.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-GLP1 antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-GLP1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-GLP1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-GLP1 antibody	Glucagon is initially synthesised as proglucagon, which is 180 amino acids in length and is cleaved proteolytically. It contains a region corresponding to Glucagon itself, in addition to a signal peptide, spacer regions and two Glucagon-like peptide sequences. GLP1 is encoded by the fourth exon of the six in the human Glucagon gene. It is 37 amino acids in length and has 48% amino acid sequence homology to Glucagon, and is thought to have arisen by gene duplication. The sequence of GLP1 is conserved across many species, however, indicating that it has a particular function. GLP1 is a potent insulin secretagogue, renders pancreatic beta cells 'glucose-competent' and may be useful in the treatment of diabetes mellitus.
Product References and Citations for anti-GLP1 antibody	Sanz, C., et al. Am. J. Physiol. Endocrinol. Metab. 298 (3), E634-E643 (2010): Brown, R.J., et al. Diabetes Care 32(12):2184-2186(2009). Li, S., et al. Dev. Biol. 301(1):106-116(2007).
Other Notes	Small volumes of anti-GLP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for GLP1 purchase	MBS6302589 is an antibody targeting GLP1. Also known as GLP1, ID (ZGLP1, GLP1, GATA-type zinc finger protein 1, GATA-like protein 1) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-GLP1 antibody
GLP1 Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the GLP1 antibody detected the GLP1 protein (arrow).



Flow Cytometry (FC/FACS) of anti-GLP1 antibody
GLP1 Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GLP1. It may not necessarily be applicable to this product.

NCBI GI #	157266269
NCBI GeneID	100125288
NCBI Accession #	NP_001096637.1
UniProt Primary Accession #	P0C6A0
UniProt Related Accession #	P0C6A0
GenBank Nucleotide #	NM_001103167.1
NCBI Official Full Name	GATA-type zinc finger protein 1
NCBI Official Synonym Full Names	zinc finger, GATA-like protein 1
NCBI Official Symbol	ZGLP1
NCBI Official Synonym Symbols	GLP1; GLP-1; GATAD3
UniProt Protein Name	GATA-type zinc finger protein 1
UniProt Synonym Protein Names	GATA-like protein 1; GLP-1
Protein Family	Germin-like protein
UniProt Gene Name	ZGLP1
UniProt Synonym Gene Names	GLP1; GLP-1
UniProt Entry Name	ZGLP1_HUMAN
NCBI Protein Information	GATA-type zinc finger protein 1

UniProt Comments for GLP1	GLP-1: Transcriptional repressor that plays a central role in somatic cells of the gonad and is required for germ cell development. Able to repress GATA transcription factor function. Protein type: DNA-binding; Transcription factor; Cell development/differentiation Chromosomal Location of Human Ortholog: 19p13.2 Cellular Component: nucleus Molecular Function: zinc ion binding; sequence-specific DNA binding; transcription factor activity Biological Process: transcription, DNA-dependent; multicellular organismal development; spermatogenesis; negative regulation of transcription from RNA polymerase II promoter; oocyte development
Research Articles on GLP1	**1.** Characterization and functional analysis of the mouse GLP-1 ortholog, and comparison to the human protein.
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