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

GLP1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5500c

Specification

GLP1 Antibody (Center) - Product Information

Application	**FC, WB,E**
Primary Accession	P0C6A0
Other Accession	NP_001096637.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**29695**
Antigen Region	**85-112**

GLP1 Antibody (Center) - Additional Information

Gene ID 100125288

Other Names
GATA-type zinc finger protein 1, GATA-like protein 1, GLP-1, ZGLP1, GLP1

Target/Specificity
This GLP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-112 amino acids from the Central region of human GLP1.

Dilution
FC~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GLP1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GLP1 Antibody (Center) - Protein Information

Name ZGLP1 (HGNC:37245)

Function Transcriptional regulator that plays a key role in germ cell development. Determines the oogenic fate by activating key genes for the oogenic program and meiotic prophase entry. Acts downstream of bone morphogenetic protein (BMP) by regulating expression of genes required for the oogenic programs, which are repressed by Polycomb activities in sexually uncommitted germ cells. Regulates expression of STRA8, a central downstream effector for the meiotic program. Acts independently of retinoic acid (RA). In males, not required for germ-cell sex determination, but required to allow the spermatogonia to efficiently accomplish the meiotic prophase.

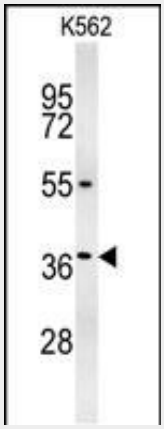
Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q1WG82}.

GLP1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

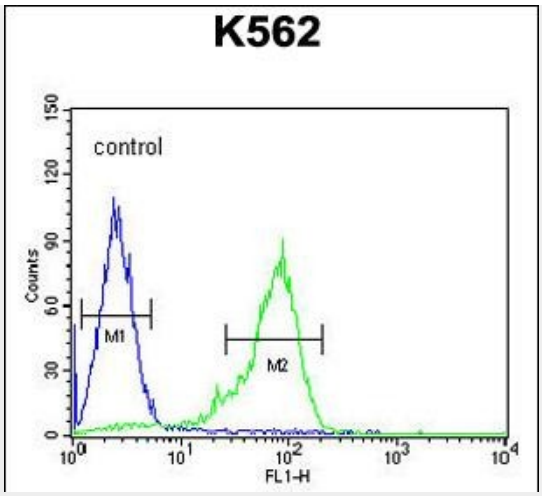
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GLP1 Antibody (Center) - Images



GLP1 Antibody (Center) (Cat.#AP5500c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the GLP1 antibody detected the GLP1 protein (arrow).

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



GLP1 Antibody (Center) (Cat. #AP5500c) 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.

GLP1 Antibody (Center) - Background

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.

GLP1 Antibody (Center) - References

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)