

GPR84 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17390c

Specification

GPR84 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q9NQS5
Other Accession	NP_065103.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	43705
Antigen Region	265-293

GPR84 Antibody (Center) - Additional Information

Gene ID 53831

Other Names

G-protein coupled receptor 84,
Inflammation-related G-protein coupled
receptor EX33, GPR84, EX33

Target/Specificity

This GPR84 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 265-293 amino acids from the Central region of human GPR84.

Dilution

WB~1:1000

Format

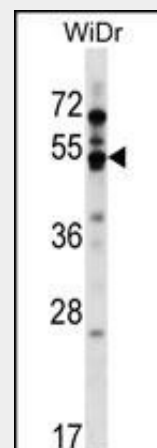
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

GPR84 Antibody (Center) is for research use only and not for use in diagnostic or



GPR84 Antibody (Center) (Cat. #AP17390c) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the GPR84 antibody detected the GPR84 protein (arrow).

GPR84 Antibody (Center) - Background

Receptor for medium-chain free fatty acid (FFA) with carbon chain lengths of C9 to C14. Capric acid (C10:0), undecanoic acid (C11:0) and lauric acid (C12:0) are the most potent agonists. Not activated by short-chain and long-chain saturated and unsaturated FFAs. Activation by medium-chain free fatty acid is coupled to a pertussis toxin sensitive G(i/o) protein pathway. May have important roles in processes from fatty acid metabolism to regulation of the immune system.

GPR84 Antibody (Center) - References

Takeda, S., et al. FEBS Lett. 520 (1-3), 97-101 (2002) :
Yousefi, S., et al. J. Leukoc. Biol. 69(6):1045-1052(2001)
Wittenberger, T., et al. J. Mol. Biol. 307(3):799-813(2001)

therapeutic procedures.

GPR84 Antibody (Center) - Protein Information

Name GPR84

Synonyms EX33

Function

Receptor for medium-chain free fatty acid (FFA) with carbon chain lengths of C9 to C14. Capric acid (C10:0), undecanoic acid (C11:0) and lauric acid (C12:0) are the most potent agonists. Not activated by short-chain and long-chain saturated and unsaturated FFAs. Activation by medium-chain free fatty acid is coupled to a pertussis toxin sensitive G(i/o) protein pathway. May have important roles in processes from fatty acid metabolism to regulation of the immune system.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Expressed predominantly in hematopoietic tissues. High levels detected in the bone marrow and lower levels in the peripheral leukocytes and lung. Also expressed in brain, heart, muscle, colon, thymus, spleen, kidney, liver, placenta and intestine. Within the leukocyte population expression is higher in neutrophils and eosinophils relative to T- or B-lymphocytes

GPR84 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 Cytometry](#)
- [Cell Culture](#)