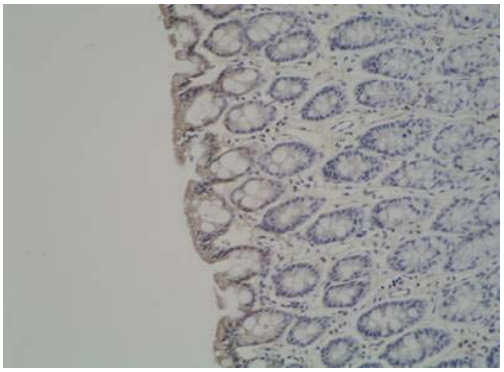
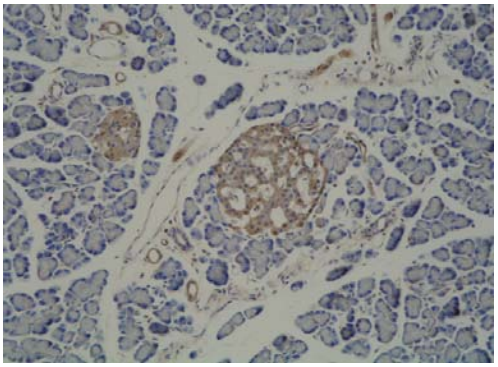
COSMO BIO CO., LTD.
Inspiration for Life Science

Code No.KAL-KX450

KX450	Anti Human GPR119 Monoclonal Antibody (Clone No. 3E8)		
Primary Source	HGNC: 19060	Gene ID	139760
Type	Monoclonal	Keyword	
Immunogen	Partial peptide of human GPR119 (3rd extracellular domain)	G protein-coupled receptor 119; GPCR2; hGPCR2; MGC119957	
Raised in	GANP mouse		
Myeloma	P3U1		
Clone number	3E8		
Isotype	IgG2a,κ		
Source	Serum-free medium	Application	
Purification notes	ProteinG	WB	Not tested
Cross Reactivity	Rat	IHC	5.0 µg/mL
Concentration	0.25 mg/mL	ICC	Not tested
Contents (Volume)	50 µg (200 µL/vial)	ELISA	1.0 µg/mL
Label	Unlabeled	FCM	Not tested
Buffer	PBS [containing 2 % Block Ace as a stabilizer, 0.1 %Proclin as a bacteriostat]	Neutralization	Not tested
Storage	Store below –20 ℃. Once thawed, store at 4 ℃. Repeated freeze-thaw cycles should be avoided.	IP	Not tested



Rat colon



Rat pancreas

Note

GPR119 is a member of G protein-coupled receptor and is expressed predominantly in pancreas and gastrointestinal tract. GPR119 binds to lysophosphatidylcholine (LPC) and oleoylethanolamide (OEA) as the physiological ligands. GPR119 functions as a glucose-dependent insulinotropic receptor. The GPR119-specific agonist enhances glucose-dependent insulin release in vivo and glucose tolerance is impaired in GPR119-deficient mice. GPR119 also stimulates incretin hormone release and is expressed at high level in intestinal subregions that produce glucose-dependent insulinotropic peptide and glucagons-like peptide (GLP)-1.

Note

GPR119 は、G タンパク質共役型受容体 (GPCR) の一つで、脾臓及び消化管に発現しています。GPR119 はリゾホスファチジルコリン（LPC）及びオレイルエタノールアミド（OEA）をリガンドとし、グルコース依存性インスリン分泌性受容体です。GPR119 特異的アンタゴニストは、生体内でグルコース依存性インスリン分泌を促進し、GPR119 欠損マウスではグルコース耐性が損なわれます。また GPR119 はインクレチンの分泌を刺激するほか、グルコース依存性インスリン分泌ペプチド及び GLP-1 を産生する消化器系領域に高発現しています。

Reference

1 Chu ZL et al: A role for beta-cell-expressed G protein-coupled receptor 119 in glycemic control by enhancing glucose-dependent insulin release. Endocrinology. 2007 Jun;148(6):2601-9.

2 Madiraju SR et al: G protein-coupled receptors and insulin secretion: 119 and counting. Endocrinology. 2007 Jun;148(6):2598-600.

3 Chu ZL et al: A role for intestinal endocrine cell-expressed g protein-coupled receptor 119 in glycemic control by enhancing glucagon-like Peptide-1 and glucose-dependent insulinotropic Peptide release. Endocrinology. 2008 May;149(5):2038-47. Epub 2008 Jan 17.

WARNING AND PRECAUTION

1. Not for diagnostic use. The safety and efficacy of product in diagnostic or other clinical uses has not been established.
2. Harmful by inhalation, in contact with skin and if swallowed. Do not breathe dust. Avoid contact with skin and eyes.
3. If contact with skin and eyes, wash all affected areas with large volume of water. If inhaled remove to fresh air. In severe case obtain medical attention.
4. Wash hand thoroughly after handling the product.
5. Do not use this product if container is broken or some contaminants are detected.
6. When preserving the product, Close the container, ensure it does not fall aside or down.
7. Dispose of the container and expired reagents in accordance with federal, state and local government regulations.
8. Do not use the container and accessories of the product for other purpose.

取り扱い上の注意

この添付文書をよく読んでから使用して下さい。

1. 本品は研究用試薬であり、医薬品その他の目的にはご使用になれません。
2. 取り扱い中は皮膚、粘膜、着衣に触れたり、目に入らないように適切な措置を行って下さい。
3. 試薬が誤って目や口に入った場合には、水で十分に洗い流すなどの応急処置を行い、必要があれば医師の手当を受けて下さい。
4. 取り扱い後には手洗いを十分に行って下さい。
5. 容器の破損、異物混入等異常が認められた物は使用しないで下さい。
6. 試薬を保管する場合は、蓋をし、転倒落下防止を確実にし、指定の貯蔵方法で保管して下さい。
7. 使用後の容器は、廃棄物に関する規定に従って処理して下さい。
8. 容器、付属品等の他目的への転用は保証できません。

Manufactured by TransGenic Inc.

COSMO BIO CO., LTD.
Inspiration for Life Science
TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN
http://www.cosmobio.co.jp e-mail : export@cosmobio.co.jp
Phone : +81-3-5632-9617 FAX : +81-3-5632-9618