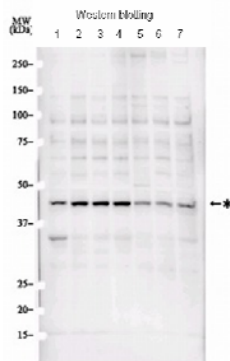




KX444 Anti Human GPR68 Monoclonal Antibody (Clone No. 15B8)		Gene ID	8111
Primary Source	HGNC: 4519	Keyword	
Type	Monoclonal	G protein-coupled receptor 68; OGR1; MGC111379; MGC156983	
Immunogen	Partial peptide of human GPR68	Application	
Raised in	GANP mouse	WB	20 µg/mL
Myeloma	P3U1	IHC	Not tested
Clone number	15B8	ICC	Not tested
Isotype	IgG2b, κ	ELISA	1.0 µg/mL
Source	Serum-free medium	FCM	Not tested
Purification notes	ProteinG	Neutralization	Not tested
Cross Reactivity	Not tested	IP	Not tested
Concentration	0.25 mg/mL		
Contents (Volume)	50 µg (200 µL/vial)		
Label	Unlabeled		
Buffer	PBS [containing 2 % Block Ace as a stabilizer, 0.1 %Proclin as a bacteriostat]		
Storage	Store below -20 °C. Once thawed, store at 4 °C. Repeated freeze-thaw cycles should be avoided.		



Preparation of antibodies and instructor:
Kondo T.
Research Institute, National Cancer Center

Sample: lysates from human cancer cell lines.
1. Human adenocarcinoma cell line derived from lung cancer.
2. stomach adenocarcinoma
3. colon adenocarcinoma
4. Human hepatoma cell line.
5. Human pancreatic ductal adenocarcinoma line.
6. Human cell line derived from esophageal cancer. Squamous cell carcinoma.
7. Human metastatic mammary carcinoma cell line.



This product is generated from GANP®

Note

GPR68 (also known as OGR1: ovarian cancer G protein-coupled receptor 1) is a member of G protein-coupled receptor and was initially cloned from the ovarian cancer cell line. OGR1 is expressed in several tissues, including spleen, testis, small intestine, peripheral blood leukocytes, brain, heart, lung, placenta, and kidney, but not detectable in ovary. GPR68 is one of the proton-sensing GPCR that is a receptor for sphingosylphosphorylcholine (SPC) and lysophosphatidylcholine (LPC). In cells expressing GPR68, extracellular acidic pH induced the stimulation of inositol phosphate production and cAMP accumulation. It has also been shown that GPR68 is expressed early during osteoclastogenesis and may play a role in osteoclast differentiation.

Note

GPR68/OGR1 は、G タンパク質共役型受容体 (GPCR) の一つで、卵巣癌細胞株から同定されました。OGR1 は脾臓、精巣、小腸、末梢血主に末梢血白血球、脳、心臓、肺、胎盤、腎臓に発現し、卵巣には発現していません。GPR68 はプロトン感受性 GPCR であり、スフィンゴシルホスホリルコリン及びリゾホスファチジルコリンの受容体です。GPR68細胞では細胞外酸性 pH により、イノシトールリン酸産生、cAMP 蓄積が誘導されます。アデニルクラゼを刺激し、細胞内 cAMP を蓄積します。また GPR68 は破骨細胞形成初期に発現しており、破骨細胞の分化に関与することが示唆されています。

Reference

1 Xu Y, Casey G.	Identification of human OGR1, a novel G protein-coupled receptor that maps to chromosome 14.	Genomics. 1996 Jul 15;35(2):397-402.
2 Ludwig MG et al:	Proton-sensing G-protein-coupled receptors.	Nature. 2003 Sep 4;425(6953):93-8.
3 Mogi C et al:	Sphingosylphosphorylcholine antagonizes proton-sensing ovarian cancer G-protein-coupled receptor 1 (OGR1)-mediated inositol phosphate production and cAMP accumulation.	J Pharmacol Sci. 2005 Oct;99(2):160-7. Epub 2005 Oct 6.
4 Yang M et al:	Expression of and role for ovarian cancer G-protein-coupled receptor 1 (OGR1) during osteoclastogenesis.	J Biol Chem. 2006 Aug 18;281(33):23598-605. Epub 2006 Jun 19.

WARNING AND PRECAUTION

取り扱い上の注意

- Not for diagnostic use. The safety and efficacy of product in diagnostic or other clinical uses has not been established.
- Harmful by inhalation, in contact with skin and if swallowed. Do not breathe dust. Avoid contact with skin and eyes.
- 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.
- Wash hand thoroughly after handling the product.
- Do not use this product if container is broken or some contaminants are detected.
- When preserving the product, Close the container, ensure it does not fall aside or down.
- Dispose of the container and expired reagents in accordance with federal, state and local government regulations.
- Do not use the container and accessories of the product for other purpose.

この添付文書をよく読んでから使用して下さい。

- 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。
- 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。
- 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。
- 取り扱い後には手洗いを十分に行ってください。
- 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。
- 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。
- 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。
- 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.



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