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# KX443 Anti Human GPR65 Monoclonal Antibody (Clone No. 11F1)

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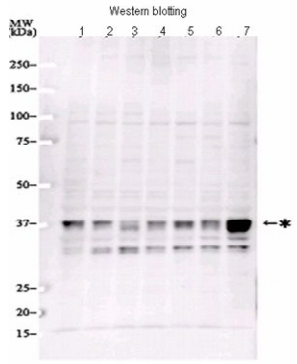
|---|---|---|---|
| Primary Source | HGNC: 4517 | Gene ID | 8477 |
| Type | Monoclonal | Keyword | |
| Immunogen | Partial peptide of human GPR65 | G protein−coupled receptor 65; TDAG8; hTDAG8 | |
| Raised in | GANP mouse | | |
| Myeloma | P3U1 | | |
| Clone number | 11F1 | | |
| Isotype | IgG2a,κ | | |
| Source | Serum-free medium | Application | |
| Purification notes | ProteinG | WB | 20 μg/mL |
| Cross Reactivity | Not tested | IHC | Not tested |
| 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 |




Preparation of antibodies and instruction:
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, adenosquamous carcinoma
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.

GANP

This product is generated from GANP®

Note

GPR65 (also known as TDAG8: T-cell death-associated gene 8) is a member of G protein-coupled receptor and was initially identified as an orphan GPCR, which is up-regulated during the programmed cell death of T lymphocytes. GPR65 is mainly expressed in lymphoid organs including the peripheral blood leukocytes, spleen, thymus, lymph nodes and cancer tissues. GPR65 is one of the proton-sensing GPCR that is a receptor for psychosine and its related lysosphingolipids. GPR65 senses extracellular pH and stimulates adenyl cyclase and subsequent accumulation of cellular cAMP. GPR65 is rapidly and remarkably induced by glucocorticoids and is a regulator of glucocorticoid-induced apostosis.

Note

GPR65 は、G タンパク質共役型受容体 (GPCR) の一つで、T リンパ球のプログラム細胞死で発現が上昇する GPCR として同定されました。GPR65 は主に末梢血白血球、脾臓、胸腺、リンパ節といったリンパ系組織及び癌組織などに発現しています。GPR65 はプロトン感受性 GPCR であり、サイコシンやその類縁体リゾスフィンゴ脂質の受容体です。GPR65 は細胞外 pH を感知し、アデニルシクラーゼを刺激し、細胞内 cAMP を蓄積します。また GPR65 はグルココルチコイドによるアポートーシスに関与しています。

Reference


| | | |
|---|---|---|
| 1 Wang JQ et al: | TDAG8 is a proton-sensing and psychosine-sensitive G-protein-coupled receptor. | J Biol Chem. 2004 Oct 29;279(44):45626-33. Epub 2004 Aug 23. |
| 2 Malone MH et al: | The glucocorticoid-induced gene tdag8 encodes a pro-apoptotic G protein-coupled receptor whose activation promotes glucocorticoid-induced apoptosis. | J Biol Chem. 2004 Dec 17;279(51):52850-9. Epub 2004 Oct 12. |
| 3 Ishii S et al: | Identification of T cell death-associated gene 8 (TDAG8) as a novel acid sensing G-protein-coupled receptor. | J Biol Chem. 2005 Mar 11;280(10):9083-7. Epub 2004 Dec 23. |
| 4 Radu CG et al: | Normal immune development and glucocorticoid-induced thymocyte apoptosis in mice deficient for the T-cell death-associated gene 8 receptor. | Mol Cell Biol. 2006 Jan;26(2):668-77. |


## 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。