

**MRGPRD polyclonal antibody**

Catalog: BS33294

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Mas-related G protein-coupled receptor member D: G protein-coupled receptor that acts as a mediator of peripheral pain and itch sensations. Activated by various ligands, such as beta-alanine, beta-aminoisobutyrate, angiotensin 1-7, alamandine and allantoin, causing a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors. MRGPRD is both coupled to G(q) and G(i) G proteins: G(q) coupling activates phospholipase C-beta, releasing diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) second messengers, while G(i) coupling mediates inhibition of adenylate cyclase activity. MRGPRD is specifically expressed in neurons that innervate the epidermis and acts as a key mediator of skin stimuli, such as itch, pain and mechanical stimuli (By similarity). Required to maintain skin homeostasis in response to irritant dermatitis by initiating a sig...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~36.1 kDa

Swiss-Prot:

Q8TDS7

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of MRGPRD protein

DATA:

Western blot analysis of AP-2-alpha expression in mouse eye (A) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151