

Regulator of G-protein signaling 20 Polyclonal Antibody

Catalog No: #42270

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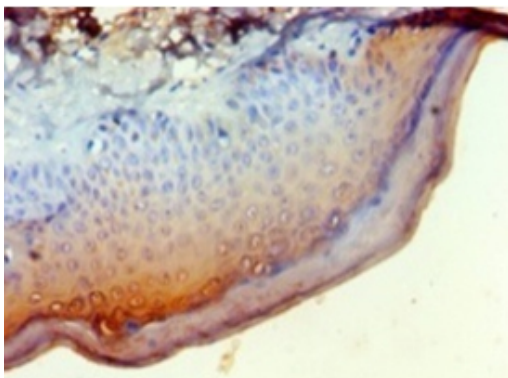
Description

Product Name	Regulator of G-protein signaling 20 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Regulator of G-protein signaling 20 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Regulator of G-protein signaling 20 proteinB£B"40-556aaB£B©
Target Name	Regulator of G-protein signaling 20
Other Names	Gz-selective GTPase-activating protein, Regulator of G-protein signaling Z1, Regulator of Gz-selective protein signaling 1, RGSZ1, ZGAP1, RGS20
Accession No.	Swiss-Prot#: O76081
Uniprot	O76081
GeneID	8601;
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:20 - 1:200

Images



Immunohistochemical analysis of paraffin-embedded human skin using #42270 at dilution of 1:100.

Background

Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds selectively to G(z)-alpha and G(alpha)-i2 subunits, accelerates their GTPase activity and regulates their signaling activities. The G(z)-alpha

activity is inhibited by the phosphorylation and palmitoylation of the G-protein. Negatively regulates mu-opioid receptor-mediated activation of the G-proteins.

References

[1]"Regulator of G protein signaling Z1 (RGSZ1) interacts with G α i subunits and regulates G α i-mediated cell signaling." Wang Y., Ho G., Zhang J.J., Nieuwenhuijsen B., Edris W., Chanda P.K., Young K.H. J. Biol. Chem. 277:48325-48332(2002). [2]"RGSZ1, a Gz-selective regulator of G protein signaling whose action is sensitive to the phosphorylation state of G α ." Glick J.L., Meigs T.E., Miron A., Casey P.J. J. Biol. Chem. 273:26008-26013(1998). [3]"RGSZ1 and Ret RGS: two of several splice variants from the gene RGS20." Barker S.A., Wang J., Sierra D.A., Ross E.M. Genomics 78:223-229(2001) .

Note: This product is for in vitro research use only