OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA346102

RAI3 (GPRC5A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-GPCR5A antibody: synthetic peptide directed towards the C terminal of human GPCR5A. Synthetic peptide located within the following region: SQEEITQGFEETGDTLYAPYSTHFQLQNQPPQKEFSIPRAHAWPSPYKDY
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	39 kDa
Gene Name:	G protein-coupled receptor class C group 5 member A
Database Link:	NP_003970 Entrez Gene 9052 Human Q8NFJ5

View online »

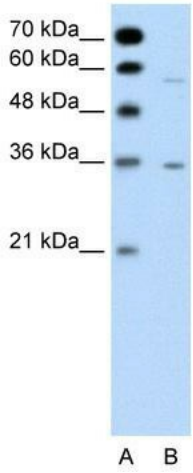
Background: GPCR5A is a member of the type 3 G protein-coupling receptor family, characterized by the signature 7-transmembrane domain motif. The protein may be involved in interaction between retinoid acid and G protein signalling pathways. Retinoic acid plays a critical role in development, cellular growth, and differentiation. Its gene may play a role in embryonic development and epithelial cell differentiation.This gene encodes a member of the type 3 G protein-coupling receptor family, characterized by the signature 7-transmembrane domain motif. The encoded protein may be involved in interaction between retinoid acid and G protein signalling pathways. Retinoic acid plays a critical role in development, cellular growth, and differentiation. This gene may play a role in embryonic development and epithelial cell differentiation.

Synonyms: GPCR5A; PEIG-1; RAI3; RAIG1; TIG1

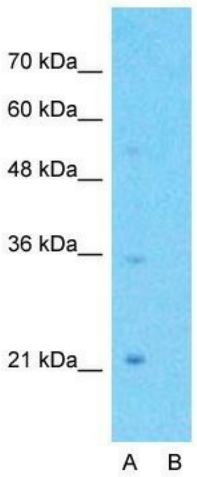
Note: Immunogen Sequence Homology: Dog: 100%; Rat: 100%; Human: 100%; Bovine: 100%; Mouse: 93%; Rabbit: 93%; Pig: 92%; Guinea pig: 91%; Horse: 85%

Protein Families: Druggable Genome, GPCR, Transmembrane

Product images:



WB Suggested Anti-GPCR5A Antibody Titration: 0.2-1 ug/ml; Positive Control: Jurkat cell lysate



Anti-GPCR5A Western Blot & Peptide Block Validation

Lysate: Jurkat Cell

Lane A: Primary Antibody
Lane B: Primary Antibody + Blocking Peptide

Primary Antibody Concentration: 1.0µg/ml
Peptide Concentration: 5.0µg/ml
Lysate Quantity: 25µg/lane
Gel Concentration: 12%

Host: Rabbit; Target Name: GPCR5A; Sample Tissue: Jurkat; Lane A: Primary Antibody; Lane B: Primary Antibody + Blocking Peptide; Primary Antibody Concentration: 1 ug/ml; Peptide Concentration: 5 ug/ml; Lysate Quantity: 25 ug/lane/lane; Gel Concentration: 0.12