Product Name: RERG Rabbit Polyclonal Antibody
Catalog #: APRab17028
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
Molecular Weight	

Antigen Information

Gene Name	RERG
Alternative Names	RERG; Ras-related and estrogen-regulated growth inhibitor
Gene ID	85004.0
SwissProt ID	Q96A58
Immunogen	Synthesized peptide derived from RERG . at AA range: 70-150

Background

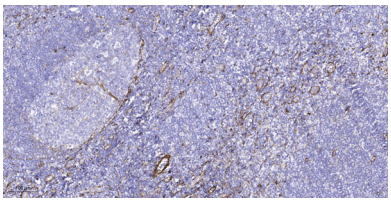
RERG, a member of the RAS superfamily of GTPases, inhibits cell proliferation and tumor formation (Finlin et al., 2001 [PubMed 11533059]).[supplied by OMIM, Mar 2009],disease:Loss of RERG expression may contribute to tumorigenesis in breast. RERG

expression is decreased or lost in a significant proportion of primary breast tumors with poor clinical prognosis. High expression of RERG correlates with long relapse-free survival times.,function:Binds GDP/GTP and possesses intrinsic GTPase activity. Has higher affinity for GDP than for GTP. In cell lines overexpression leads to a reduction in the rate of proliferation, colony formation and in tumorigenic potential.,induction:Up-regulated by estradiol. Down-regulated by tamoxifen.,similarity:Belongs to the small GTPase superfamily. Ras family.,tissue specificity:Detected in heart, brain, placenta, lung, liver, skin, kidney and pancreas. Detected in estrogen receptor-positive breast-derived cell lines, but not in estrogen receptor-negative cell lines.,

Research Area

Signal Transduction; Second Messenger; Nucleotide Messenger; GTP; Signaling Pathway; G Protein Signaling; Small G Proteins; Ras Family; Growth Factors/Hormones; Hormones; Cancer; Oncoproteins/suppressors; Tumor suppressors

Image Data



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200（4° overnight.3,Secondary antibody was diluted at 1:200（room temperature, 45min）.