

## Product datasheet for **TA322968S**

### PRKACG Rabbit Polyclonal Antibody

#### Product data:

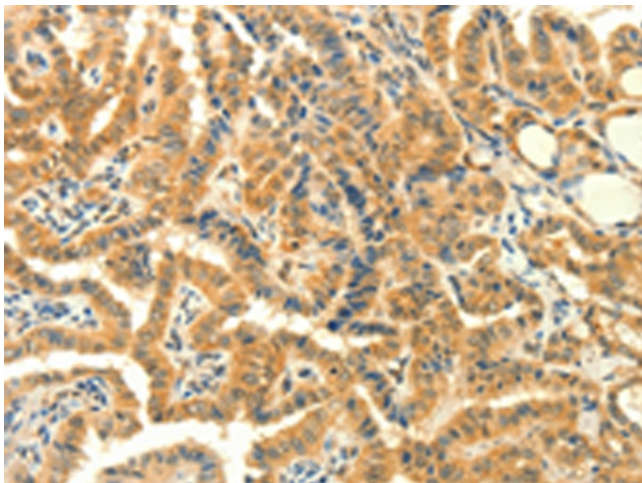
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 44-298 amino acids of human protein kinase, cAMP-dependent, catalytic, gamma
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	protein kinase cAMP-activated catalytic subunit gamma
Database Link:	<a href="#">NP_002723</a> <a href="#">Entrez Gene 5568 Human P22612</a>
Background:	cAMP-dependent protein kinase catalytic subunit gamma is an enzyme that in humans is encoded by the PRKACG gene. Cyclic AMP-dependent protein kinase (PKA) consists of two catalytic subunits and a regulatory subunit dimer. This gene encodes the gamma form of its catalytic subunit. The gene is intronless and is thought to be a retrotransposon derived from the gene for the alpha form of the PKA catalytic subunit. PRKACG has been shown to interact with Ryanodine receptor 2.
Synonyms:	BDPLT19; KAPG; PKACg
Protein Families:	Druggable Genome, Protein Kinase



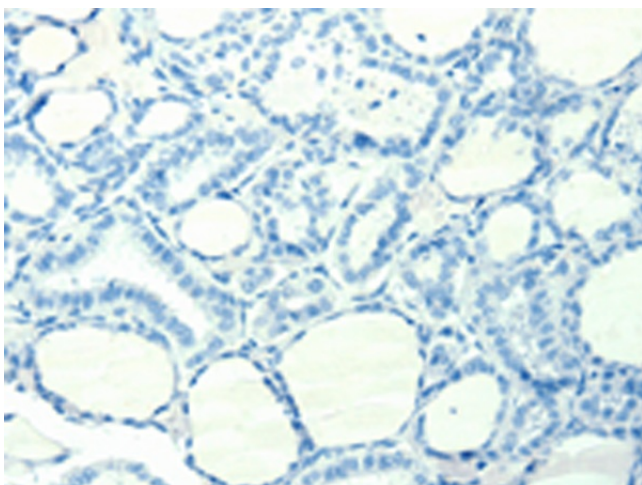
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**Protein Pathways:**

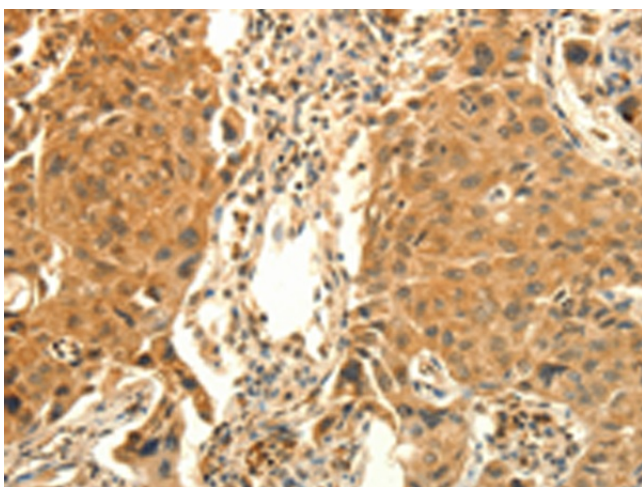
Apoptosis, Calcium signaling pathway, Chemokine signaling pathway, Dilated cardiomyopathy, Gap junction, GnRH signaling pathway, Hedgehog signaling pathway, Insulin signaling pathway, Long-term potentiation, MAPK signaling pathway, Melanogenesis, Olfactory transduction, Oocyte meiosis, Prion diseases, Progesterone-mediated oocyte maturation, Taste transduction, Vascular smooth muscle contraction, Vibrio cholerae infection, Wnt signaling pathway

**Product images:**

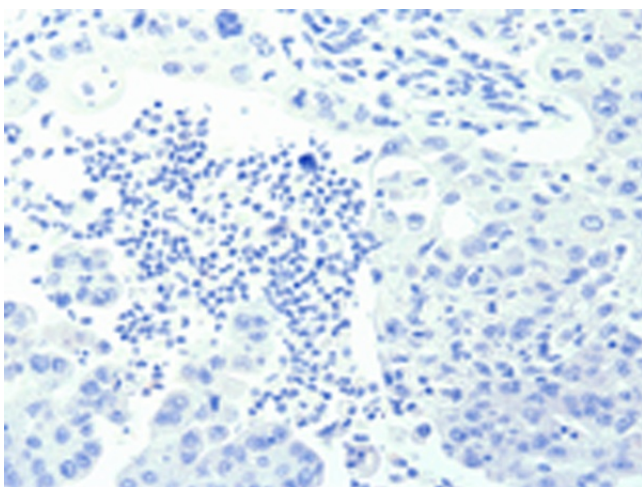
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA322968] (PRKACG Antibody) at dilution 1/25 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA322968] (PRKACG Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using [TA322968] (PRKACG Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using [TA322968] (PRKACG Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )