

Product datasheet for **TA327459**

GRK1 Rabbit Polyclonal Antibody

Product data:

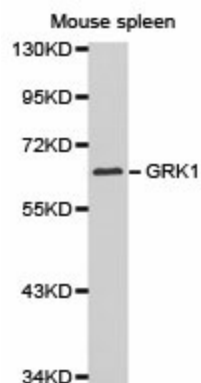
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:500-1:2000;IHC: 1:50-1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide of human GRK1
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	G protein-coupled receptor kinase 1
Database Link:	NP_002920 Entrez Gene 24013 Mouse Entrez Gene 81760 Rat Entrez Gene 6011 Human Q15835
Background:	This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. The protein phosphorylates rhodopsin and initiates its deactivation. Defects in GRK1 are known to cause Oguchi disease 2 (also known as stationary night blindness Oguchi type-2). Retina-specific kinase involved in the signal turnoff via phosphorylation of rhodopsin (RHO), the G protein- coupled receptor that initiates the phototransduction cascade. This rapid desensitization is essential for scotopic vision and permits rapid adaptation to changes in illumination.
Synonyms:	GPRK1; RHOK; RK
Protein Families:	Druggable Genome, Protein Kinase



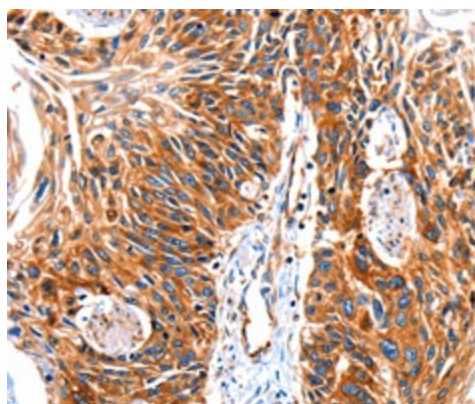
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Protein Pathways: Chemokine signaling pathway, Endocytosis

Product images:



Western blot analysis of extracts of Mouse spleen tissue lysate, using GRK1 antibody.



Immunohistochemistry of paraffin-embedded human esophagus cancer tissue using GRK1 antibody.