Product Datasheet

GRK2 Rabbit mAb

Catalog No: #48909

Package Size: #48909-1 50ul #48909-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

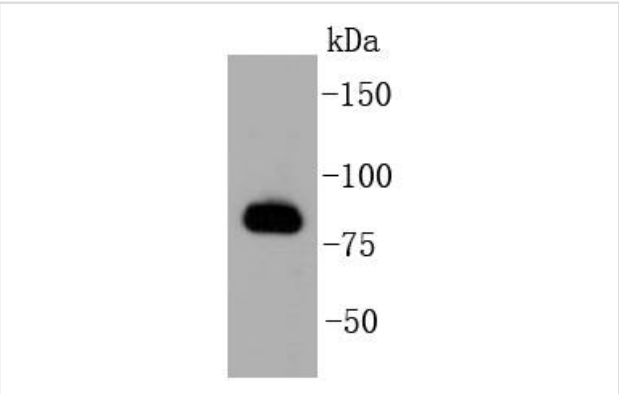
Description

Product Name	GRK2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	ST05-60
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	ADRBK1 antibody Adrenergic beta receptor kinase 1 antibody ARBK1_HUMAN antibody BARK antibody BARK1 antibody Beta adrenergic receptor kinase 1 antibody Beta ARK 1 antibody Beta ARK1 antibody Beta-adrenergic receptor kinase 1 antibody Beta-ARK-1 antibody FLJ16718 antibody G protein coupled receptor kinase 2 antibody G-protein coupled receptor kinase 2 antibody GRK2 antibody
Accession No.	Swiss-Prot#:P25098
Uniprot	P25098
GeneID	156;
Calculated MW	80 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

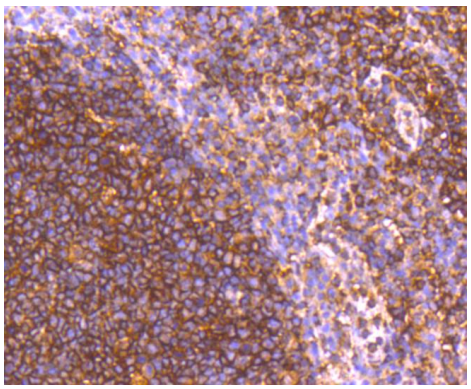
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200

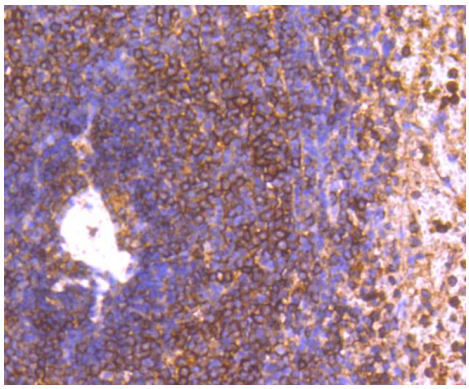
Images



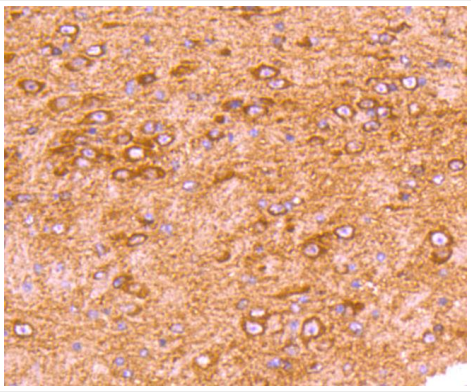
Western blot analysis of GRK2 on Hela cell lysates using anti-GRK2 antibody at 1/1,000 dilution.



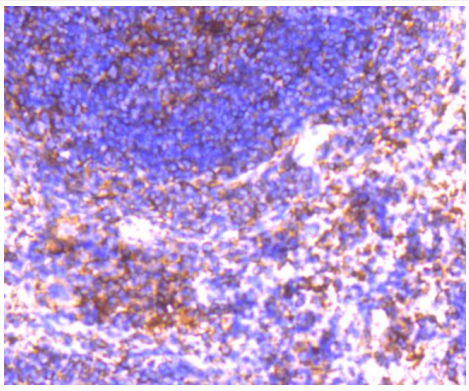
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-GRK2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-GRK2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-GRK2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-GRK2 antibody. Counter stained with hematoxylin.

Background

Heterotrimeric G protein-mediated signal transduction is a dynamically regulated process with the intensity of signal decreasing over time despite the continued presence of the agonist. This phenomenon, referred to as agonist-mediated desensitization, involves phosphorylation of the receptor by two classes of enzymes. The first class is comprised of the second messenger-regulated kinases, such as c-AMP dependent protein kinase A and protein kinase C. The second class includes the G protein-coupled receptor kinases (GRKs). At least seven members of the GRK family have been identified. These include rhodopsin kinase (GRK 1), two forms of beta-adrenergic receptor kinase: GRK 2 (betaARK, betaARK1) and GRK 3 (betaARK2), IT-11 (GRK 4), GRK 5, GRK 6 and GRK 7. Phosphorylation of receptors by GRKs appears to be strictly dependent on the receptor being in its agonist-activated state.

References

Note: This product is for in vitro research use only