Product Datasheet

# GRK2 Rabbit mAb

Catalog No: #48909

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

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

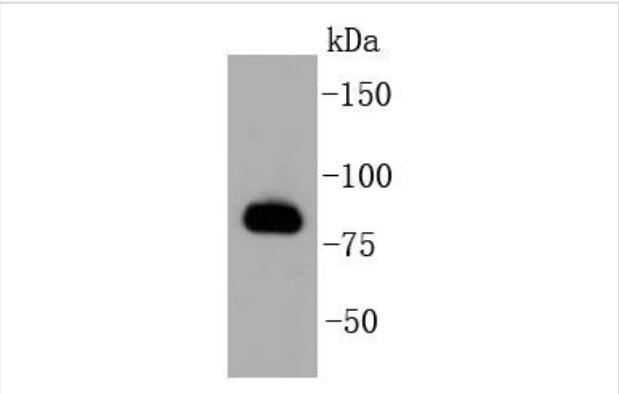
## Description

| | |
|---|---|
| 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 |

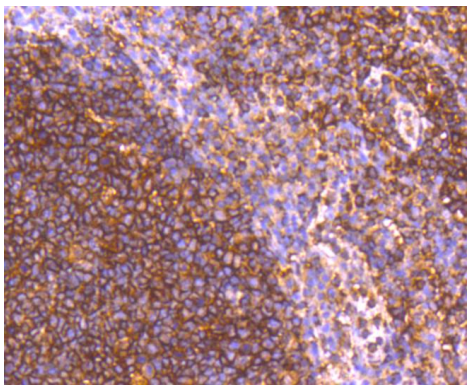
## Application Details

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

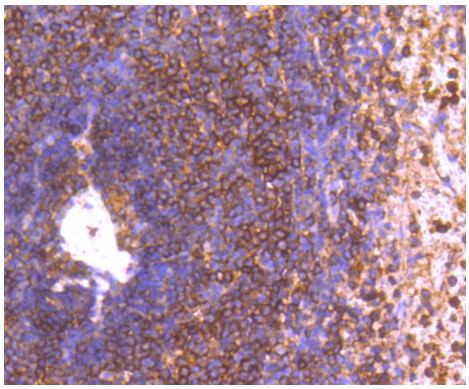
## Images



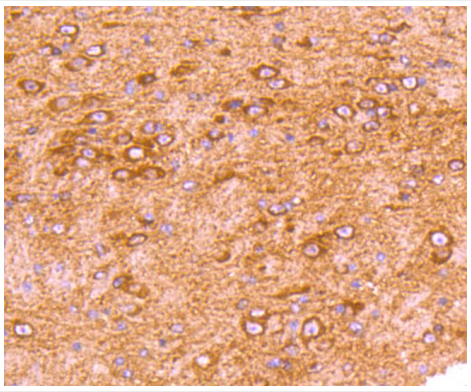

Western blot analysis of GRK2 on Hela cell lysates using anti-GRK2 antibody at 1/1,000 dilution.



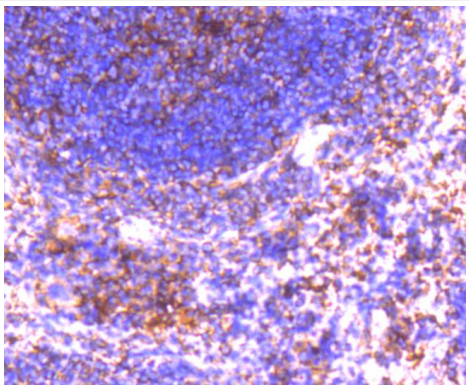
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-GRK2 antibody. Counter stained with hematoxylin.



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