

For Research Use Only

GRK3 Polyclonal antibody, PBS Only

Catalog Number:13727-1-PBS



Basic Information

Catalog Number:

13727-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4685

GenBank Accession Number:

BC036797

GeneID (NCBI):

157

UNIPROT ID:

P35626

Full Name:

adrenergic, beta, receptor kinase 2

Calculated MW:

688 aa, 80 kDa

Observed MW:

70 kDa, 90 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

GRK3 (G protein coupled receptor kinase 3), also known as ADRBK2 or BARK2, belongs to the G protein coupled receptor kinases (GRKs) family. GRKs are serine/threonine kinases that regulate a large and diverse class of G-protein coupled receptors (GPCRs). GRKs have been shown to play a critical role in the outcome of a variety of physiological and pathophysiological processes including chemotaxis, signaling, migration, inflammatory gene expression and so on (PMID: 28950947, 29483837). GRK3 was identified as a negative regulator of CXCL12/CXCR4 signaling, and has also been shown to be overexpressed in human prostate cancer and found to promote tumor growth and metastasis by enhancing angiogenesis (PMID: 23935208, 24434559). GRK3 has a molecular mass of 75-80 kDa, and also can be ubiquitinated (PMID: 20596523).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

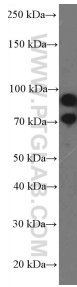
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

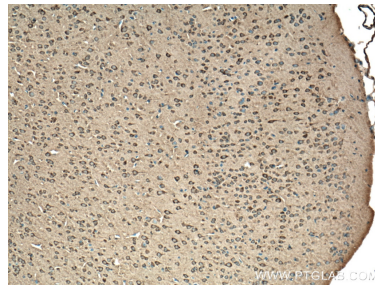
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

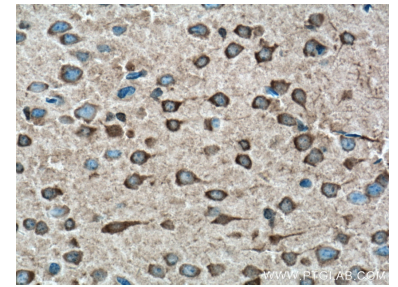
Selected Validation Data



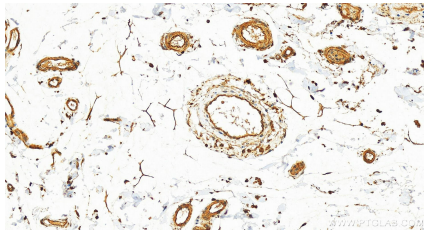
K-562 cells were subjected to SDS PAGE followed by western blot with 13727-1-AP (GRK3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13727-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13727-1-AP (GRK3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13727-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13727-1-AP (GRK3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13727-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 13727-1-AP (GRK3 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13727-1-PBS in a different storage buffer formulation.