



Anti-GRK4 (aa 36-145) polyclonal antibody (DPAB-DC1442)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 the activated forms of G protein-coupled receptors thus initiating its deactivation. This gene has been linked to both genetic and acquired hypertension. Several transcript variants encoding different isoforms have been found for this gene.
Immunogen	GRK4 (NP_892027, 36 a.a. ~ 145 a.a) partial recombinant protein with GST tag. The sequence is LPPVSQCSELRHSIEKDYSSLCDKQPIGRRLFRQFCDTKPTLKRHIEFLDAVAEYEVADD EDRSDCGLSILDRFFNDKLAAPLPEIPPDVVTECRLGLKEENPSKKAFEE
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GRK4 G protein-coupled receptor kinase 4 [Homo sapiens (human)]
Official Symbol	GRK4
Synonyms	GRK4; G protein-coupled receptor kinase 4; IT11; GPRK4; GRK4a; GPRK2L; ITI1;
Entrez Gene ID	2868
Protein Refseq	NP_001004056
UniProt ID	P32298
Chromosome Location	4p16.3
Pathway	Calcium Regulation in the Cardiac Cell; Endocytosis; Myometrial Relaxation and Contraction Pathways.
Function	ATP binding; G-protein coupled receptor kinase activity; rhodopsin kinase activity;