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**Product Name: GRK 5 Rabbit Polyclonal Antibody****Catalog #: APRab11776**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	68kDa

**Antigen Information**

<b>Gene Name</b>	GRK5
<b>Alternative Names</b>	GRK5; GPRK5; G protein-coupled receptor kinase 5; G protein-coupled receptor kinase GRK5
<b>Gene ID</b>	2869.0
<b>SwissProt ID</b>	P34947
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GRK5. AA range:351-400

**Background**

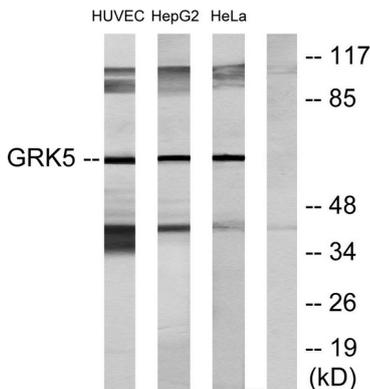
This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the

Ser/Thr protein kinase family. The protein phosphorylates the activated forms of G protein-coupled receptors thus initiating their deactivation. It has also been shown to play a role in regulating the motility of polymorphonuclear leukocytes (PMNs). [provided by RefSeq, Jul 2008],catalytic activity:ATP + [G-protein-coupled receptor] = ADP + [G-protein-coupled receptor] phosphate.,function:Specifically phosphorylates the activated forms of G protein-coupled receptors.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 RGS domain.,tissue specificity:Highest levels in heart, placenta, lung > skeletal muscle > brain, liver, pancreas > kidney.,

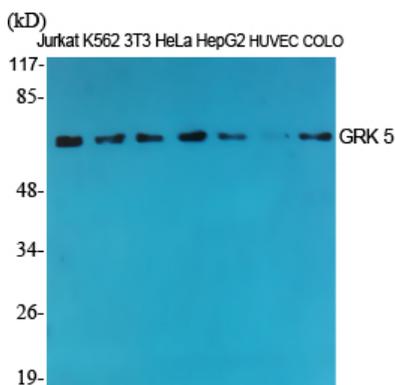
## Research Area

Chemokine;Endocytosis;

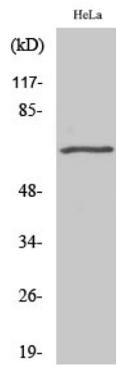
## Image Data



Western blot analysis of lysates from HeLa, HepG2, and HUVEC cells, using GRK5 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using GRK 5 Polyclonal Antibody



Western Blot analysis of COLO205 cells using GRK 5 Polyclonal Antibody