

**(** Tel: 400-999-8863 ■ Emall:Upingbio.163.com



## GRK 5 Polyclonal Antibody

Catalog No	YP-Ab-14766
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	GRK5
Protein Name	G protein-coupled receptor kinase 5
Immunogen	The antiserum was produced against synthesized peptide derived from human GRK5. AA range:351-400
Specificity	GRK 5 Polyclonal Antibody detects endogenous levels of GRK 5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GRK5; GPRK5; G protein-coupled receptor kinase 5; G protein-coupled receptor kinase GRK5
Observed Band	68kD
Cell Pathway	Cytoplasm. Nucleus. Cell membrane; Peripheral membrane protein. Predominantly localized at the plasma membrane; targeted to the cell surface through the interaction with phospholipids. Nucleus localization is regulated in a GPCR and Ca(2+)/calmodulin-dependent fashion.
Tissue Specificity	Highest levels in heart, placenta, lung > skeletal muscle > brain, liver, pancreas > kidney.
Function	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.,
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



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the motility of polymorphonuclear leukocytes (PMNs). [provided by RefSeq, Jul 2008],

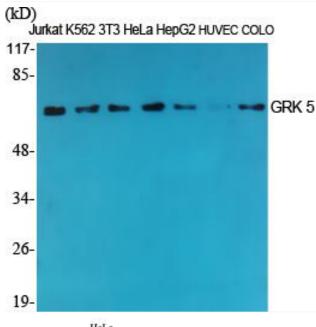
matters needing attention

Avoid repeated freezing and thawing!

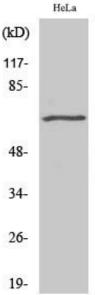
**Usage suggestions** 

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Western Blot analysis of various cells using GRK 5 Polyclonal Antibody



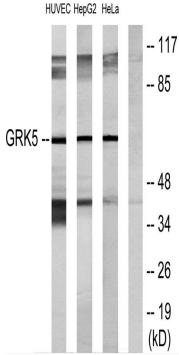
Western Blot analysis of COLO205 cells using GRK 5 Polyclonal Antibody



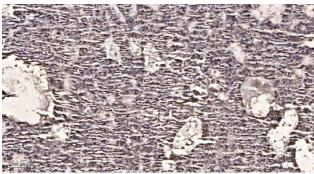
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Western blot analysis of lysates from HeLa, HepG2, and HUVEC cells, using GRK5 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).