

GRK 2 Polyclonal Antibody

Catalog No :	YT2064
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	GRK 2
Fields :	>>Chemokine signaling pathway;>>Endocytosis;>>Hedgehog signaling pathway;>>Glutamatergic synapse;>>Olfactory transduction;>>Morphine addiction
Gene Name :	ADRBK1
Protein Name :	Beta-adrenergic receptor kinase 1
Human Gene Id :	156
Human Swiss Prot No :	P25098
Mouse Swiss Prot No :	Q99MK8
Rat Gene Id :	25238
Rat Swiss Prot No :	P26817
Immunogen :	The antiserum was produced against synthesized peptide derived from human ARBK1. AA range:601-650
Specificity :	GRK 2 Polyclonal Antibody detects endogenous levels of GRK 2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 80kD

Cell Pathway : Chemokine; Endocytosis;

Background : The product of this gene phosphorylates the beta-2-adrenergic receptor and appears to mediate agonist-specific desensitization observed at high agonist concentrations. This protein is an ubiquitous cytosolic enzyme that specifically phosphorylates the activated form of the beta-adrenergic and related G-protein-coupled receptors. Abnormal coupling of beta-adrenergic receptor to G protein is involved in the pathogenesis of the failing heart. [provided by RefSeq, Jul 2008],

Function : catalytic activity: ATP + [beta-adrenergic receptor] = ADP + [beta-adrenergic receptor] phosphate., catalytic activity: ATP + a protein = ADP + a phosphoprotein., function: Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them., online information: Beta adrenergic receptor kinase entry, 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 PH domain., similarity: Contains 1 protein kinase domain., similarity: Contains 1 RGS domain., subunit: Interacts with GIT1 (By similarity). Interacts with, and phosphorylates chemokine-stimulated CCR5., tissue specificity: Expressed in peripheral blood leukocytes.,

Subcellular Location : Cytoplasm . Cell membrane . Cell junction, synapse, postsynapse . Cell junction, synapse, presynapse .

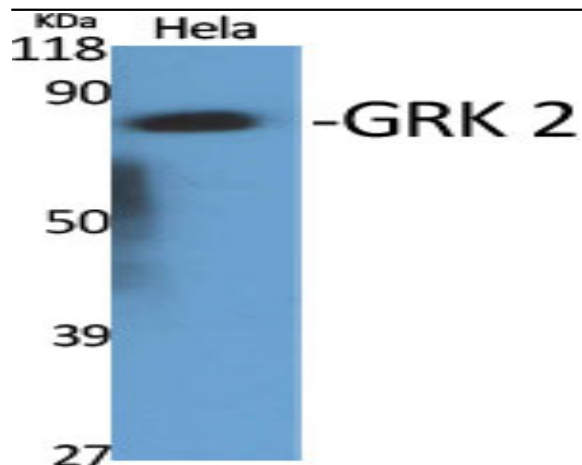
Expression : Expressed in peripheral blood leukocytes.

Tag : hot

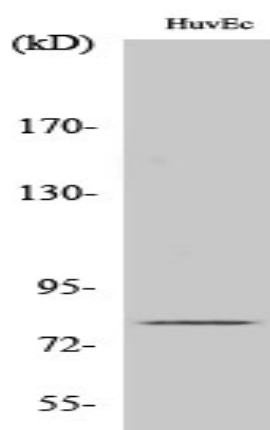
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No4 : 1

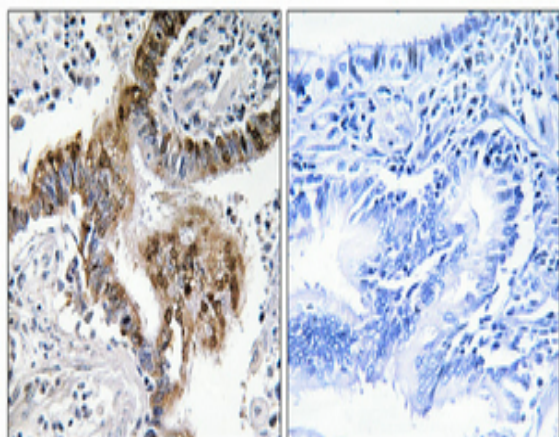
Products Images



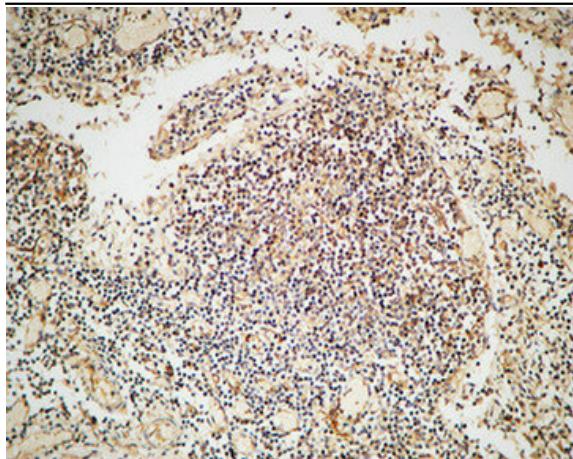
Western Blot analysis of various cells using GRK 2 Polyclonal Antibody



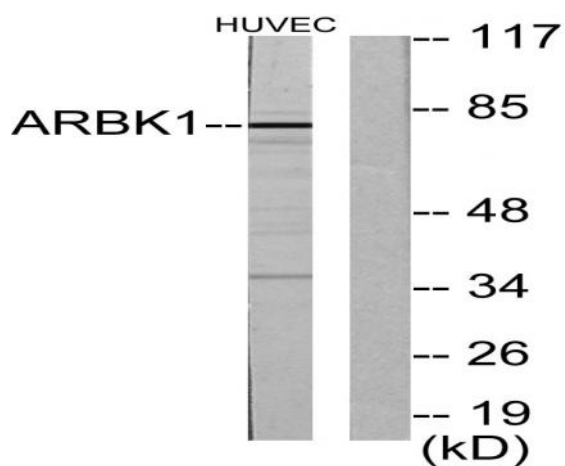
Western Blot analysis of HuvEc cells using GRK 2 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunohistochemical analysis of paraffin-embedded Human Lymph gland. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).



Western blot analysis of lysates from HUVEC cells, using ARBK1 Antibody. The lane on the right is blocked with the synthesized peptide.