

## ARG55187 anti-GRK2 antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes GRK2
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GRK2
Species	Human
Immunogen	Recombinant protein of Human GRK2 (NP_001610.2)
Conjugation	Un-conjugated
Alternate Names	BETA-ARK1; Beta-adrenergic receptor kinase 1; GRK2; BARK1; EC 2.7.11.15; Beta-ARK-1; G-protein coupled receptor kinase 2

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse brain and HT-29	

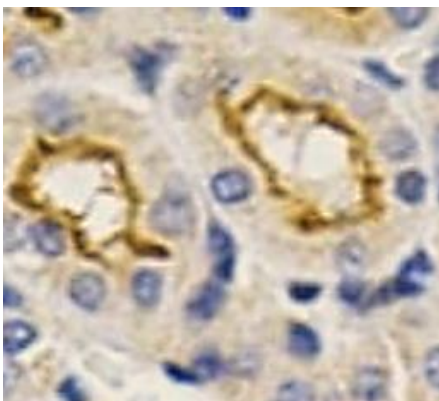
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

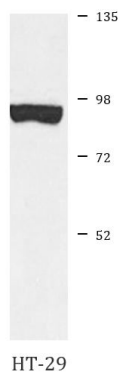
Gene Symbol	ADRBK1
Gene Full Name	adrenergic, beta, receptor kinase 1
Background	The product of this gene phosphorylates the beta-2-adrenergic receptor and appears to mediate agonist-specific desensitization observed at high agonist concentrations. This protein is an ubiquitous cytosolic enzyme that 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	Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them. Key regulator of LPAR1 signaling. Competes with RALA for binding to LPAR1 thus affecting the signaling properties of the receptor. Desensitizes LPAR1 and LPAR2 in a phosphorylation-independent manner. [UniProt]
Research Area	Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	80 kDa

## Images



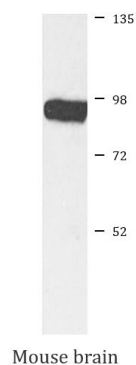
ARG55187 anti-GRK2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse kidney stained with ARG55187 anti-GRK2 antibody at 1:200 dilution.



ARG55187 anti-GRK2 antibody WB image

Western blot: HT-29 cell lysate stained with ARG55187 anti-GRK2 antibody.



ARG55187 anti-GRK2 antibody WB image

Western blot: Mouse brain lysate stained with ARG55187 anti-GRK2 antibody.