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Rabbit Anti-GRK3 antibody

SL11727R

Product Name:	GRK3
Chinese Name:	β肾上腺素能受体激酶2抗体
Alias:	ADRBK2; Adrenergic, beta, receptor kinase 2; ARBK2_HUMAN; BARK2; Beta adrenergic receptor kinase 2; Beta ARK 2; Beta-adrenergic receptor kinase 2; Beta-ARK-2; EC 2.7.11.15; G protein coupled receptor kinase 3; G-protein-coupled receptor kinase 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	80kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Adrbk2:301-365/688
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Heterotrimeric G protein-mediated signal transduction is a dynamically regulated process with the intensity of signal decreasing over time despite the continued presence of the agonist. This phenomenon, referred to as agonist-mediated desensitization, involves phosphorylation of the receptor by two classes of enzymes. The first class is

comprised of the second messenger-regulated kinases, such as c-AMP dependent protein kinase A and protein kinase C. The second class includes the G protein-coupled receptor kinases (GRKs). At least seven members of the GRK family have been identified. These include rhodopsin kinase (GRK 1), two forms of Beta-adrenergic receptor kinase: GRK 2 (Beta ARK, Beta ARK1) and GRK 3 (Beta ARK2), IT-11 (GRK 4), GRK 5, GRK 6 and GRK 7. Phosphorylation of receptors by GRKs appears to be strictly dependent on the receptor being in its agonist-activated state.

Function:
Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors.

Similarity:
Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily.
Contains 1 AGC-kinase C-terminal domain.
Contains 1 PH domain.
Contains 1 protein kinase domain.
Contains 1 RGS domain.

SWISS:
P35626

Gene ID:
157

Database links:

Entrez Gene: 157 Human

Entrez Gene: 320129 Mouse

Omim: 109636 Human

SwissProt: P35626 Human

SwissProt: Q3UYH7 Mouse

Unigene: 657494 Human

Unigene: 285619 Mouse

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
