

Product datasheet for **AP20381PU-N**

GRK3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1/500 - 1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of GRK 3 protein. (region surrounding Phe391)
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 80 kDa
Gene Name:	G protein-coupled receptor kinase 3
Database Link:	Entrez Gene 25372 Rat Entrez Gene 320129 Mouse Entrez Gene 157 Human P35626



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Background:

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 are the second messenger-regulated kinases such as c-AMP dependent protein kinase A and protein kinase C. The second are 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 (betaARK, betaARK1) and GRK 3 (betaARK2); IT-11 (GRK 4); GRK 5, GRK 6 and GRK 7.

Synonyms:

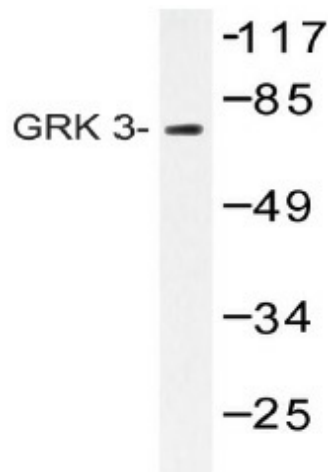
Beta-adrenergic receptor kinase 2, BARK2, GRK3

Protein Families:

Druggable Genome, Protein Kinase

Protein Pathways:

Chemokine signaling pathway, Endocytosis, Olfactory transduction

Product images:

Western blot (WB) analysis of GRK 3 antibody (Cat.-No.: AP20381PU-N) in extracts from HepG2 cells.