

## Product datasheet for **TA340058**

### GRK3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ADRBK2 antibody: synthetic peptide directed towards the N terminal of human ADRBK2. Synthetic peptide located within the following region: FCLNEINEAVPQVKFYEEIKEYEKLDNEEDRLCRSRQIYDAYIMKELLSC
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	80 kDa
Gene Name:	G protein-coupled receptor kinase 3
Database Link:	<a href="#">NP_005151</a> <a href="#">Entrez Gene 157 Human</a> <a href="#">P35626</a>



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**Background:**

ADRBK2 specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors. The beta-adrenergic receptor kinase specifically phosphorylates the agonist-occupied form of the beta-adrenergic and related G protein-coupled receptors. Overall, the beta adrenergic receptor kinase 2 has 85% amino acid similarity with beta adrenergic receptor kinase 1, with the protein kinase catalytic domain having 95% similarity. These data suggest the existence of a family of receptor kinases which may serve broadly to regulate receptor function. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and ESTs. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

PRIMARYREFSEQ\_SPAN PRIMARY\_IDENTIFIER PRIMARY\_SPAN COMP 1-68 BC036797.1 1-68 69-124 BX387339.2 114-169 125-1307 BC036797.1 69-1251 1308-2783 BC036797.1 1402-2877 2784-7732 AL022329.9 173762-178710 7733-9068 BC063545.1 1-1336

**Synonyms:**

ADRBK2; BARK2

**Note:**

Immunogen Sequence Homology: Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Dog: 93%; Pig: 93%; Horse: 93%; Bovine: 93%; Zebrafish: 86%; Yeast: 80%; Guinea pig: 79%

**Protein Families:**

Druggable Genome, Protein Kinase

**Protein Pathways:**

Chemokine signaling pathway, Endocytosis, Olfactory transduction

**Product images:**


WB Suggested Anti-ADRBK2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive Control: Jurkat cell lysate ADRBK2 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells