10320 Camino Santa Fe, Suite G
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ADRBK2 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9092a

Specification

ADRBK2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession	P35626

ADRBK2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 157

Other Names
Beta-adrenergic receptor kinase 2, Beta-ARK-2, G-protein-coupled receptor kinase 3, ADRBK2, BARK2, GRK3

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP9092a was selected from the N-term region of human ADRBK2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ADRBK2 Antibody (N-term) Blocking Peptide - Protein Information

Name GRK3 (HGNC:290)

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

Cellular Location
Postsynapse {ECO:0000250|UniProtKB:P26819}. Presynapse {ECO:0000250|UniProtKB:P26819}

ADRBK2 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

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- Blocking Peptides

ADRBK2 Antibody (N-term) Blocking Peptide - Images

ADRBK2 Antibody (N-term) Blocking Peptide - Background

ADRBK2 is 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.

ADRBK2 Antibody (N-term) Blocking Peptide - References

Gratacos,M., et.al., Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009)Rao,J.S., et.al., Int. J. Neuropsychopharmacol. 12 (6), 851-860 (2009)