

**ADRBK2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9092a****Specification**

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**ADRBK2 Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">P35626</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	79710
Antigen Region	29-57

**ADRBK2 Antibody (N-term) - 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**

This ADRBK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 29-57 amino acids from the N-terminal region of human ADRBK2.

**Dilution**

WB~~1:1000

IHC-P~~1:50~100

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ADRBK2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ADRBK2 Antibody (N-term) - Protein Information****Name** GRK3 ([HGNC:290](#))**Function** Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and

closely related receptors.

#### Cellular Location

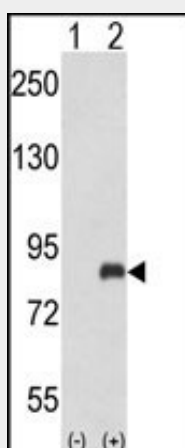
Postsynapse {ECO:0000250|UniProtKB:P26819}. Presynapse {ECO:0000250|UniProtKB:P26819}

#### ADRBK2 Antibody (N-term) - Protocols

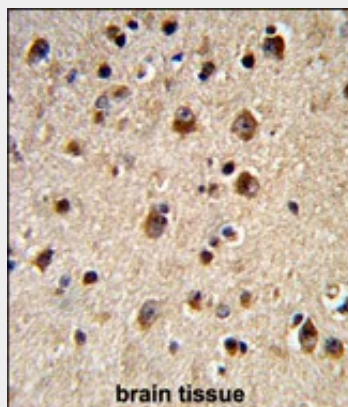
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### ADRBK2 Antibody (N-term) - Images



Western blot analysis of ADRBK2 (arrow) using rabbit polyclonal ADRBK2 Antibody (N-term) (Cat. #AP9092a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ADRBK2 gene (Lane 2) .



Formalin-fixed and paraffin-embedded human brain tissue reacted with ADRBK2 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

#### **ADRBK2 Antibody (N-term) - 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) - 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)