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AD_K2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7005a

Specification

AD_K2 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P35626
Reactivity	**Human, Mouse, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Antigen Region	**633-660**

AD_K2 Antibody (C-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

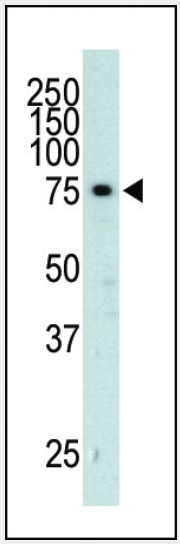
Target/Specificity
This AD_K2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 633-660 amino acids from the C-terminal region of human AD_K2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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
AD_K2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.



The anti-GRK3 Pab (Cat. #AP7005a) is used in Western blot to detect GRK3 in mouse heart tissue lysate.

AD_K2 Antibody (C-term) - Background

The beta-adrenergic receptor kinase specifically phosphorylates the agonist-occupied form of the beta-adrenergic and related G protein-coupled receptors. Overall, the ADRBK2 enzyme, also known as GRK3, has 85% amino acid similarity with ADRBK1, with the protein kinase catalytic domain having 95% similarity. The ADRBK2 mRNA is approximately 8 kilobases with a distribution similar to that of ADRBK1. These data suggest the existence of a family of receptor kinases which may serve broadly to regulate receptor function.

AD_K2 Antibody (C-term) - References

Calabrese, G., et al., Genomics 23(1):286-288 (1994). Parruti, G., et al., Biochem. Biophys. Res. Commun. 190(2):475-481 (1993). Benovic, J.L., et al., J. Biol. Chem. 266(23):14939-14946 (1991).

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AD_K2 Antibody (C-term) - Protein Information

Name GRK3 {ECO:0000312|MIM:109636}

Synonyms ADRBK2, BARK2

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

AD_K2 Antibody (C-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 Cytomety
- Cell Culture

AD_K2 Antibody (C-term) - Citations

- G Protein Coupled Receptor Kinase 3 Regulates Breast Cancer Migration, Invasion, and Metastasis.
- Decreased GRK3 but not GRK2 expression in frontal cortex from bipolar disorder patients.