

Rabbit ADRBK1 Polyclonal Antibody | anti-ADRBK1 antibody

ADRBK1 Polyclonal Antibody

CATALOG # AAA37211	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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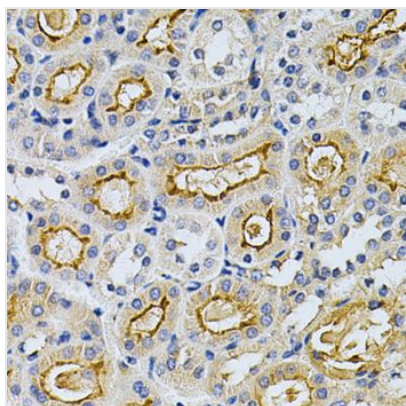
PRODUCT SYNONYMS

ADRBK1; Polyclonal Antibody; ADRBK1 Polyclonal Antibody; BARK1; BETA-ARK1; FLJ16718; GRK2; anti-ADRBK1 antibody

PRODUCT SPECIFICATIONS

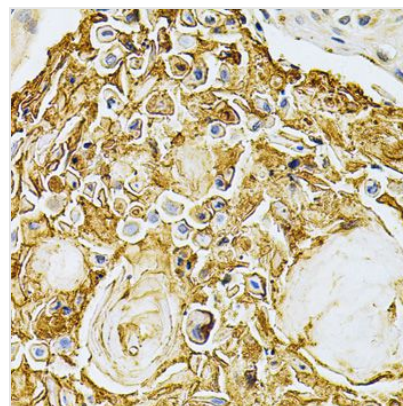
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	689
Applicable Applications for anti-ADRBK1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human ADRBK1
Calculated Molecular Weight	80kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C (regular). Avoid freeze/thaw cycles.

IMAGES



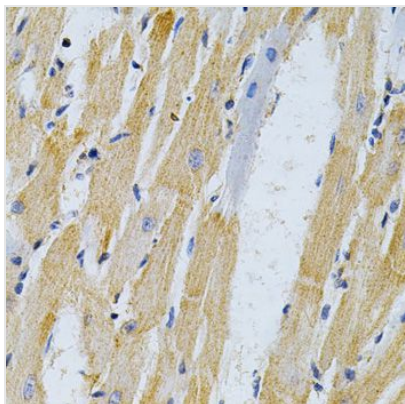
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using ADRBK1 Antibody at dilution of 1:200 (40x lens).



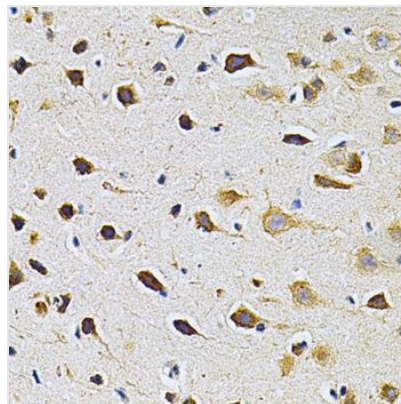
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human esophageal cancer using ADRBK1 Antibody at dilution of 1:200 (40x lens).



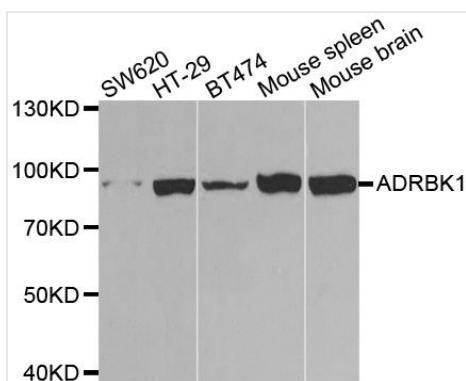
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat heart using ADRBK1 Antibody at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using ADRBK1 Antibody at dilution of 1:200 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ADRBK1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-ADRBK1 antibody

G-protein-coupled receptor kinase 2 (GRK2), also known as beta-adrenergic receptor kinase 1 (beta-ARK1), is a member of the GRK family, which phosphorylates the activated form of G-protein-coupled receptors (GPCRs) and initiates the desensitization process of GPCR (1). GRK2 kinase activity and cellular localization are tightly regulated by interactions with activated receptors, G-beta and G-gamma subunits, adaptor proteins, phospholipids, caveolin and calmodulin, as well as by phosphorylation (1). PKC phosphorylation enhances GRK2 activity by promoting its membrane localization and by abolishing the inhibitory association of calmodulin (2,3). PKA phosphorylates GRK2 at Ser685, which facilitates the association of GRK2 with a beta-adrenergic receptor (4). Erk inhibits GRK2 activity via phosphorylation at Ser670 (5). Src phosphorylates GRK2 at multiple tyrosine residues (Tyr13, 86 and 92), which activates GRK2 activity and promotes GRK2 degradation (6,7).

Product Categories/Family for anti-ADRBK1 antibody

Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	126302521
NCBI GeneID	156
UniProt Accession #	P25098; Q13837; Q6GTT3; B0ZBE1
NCBI Official Full Name	Beta-adrenergic receptor kinase 1
NCBI Official Synonym Full Names	adrenergic, beta, receptor kinase 1
NCBI Official Symbol	ADRBK1

NCBI Official Synonym Symbols	GRK2; BARK1; BETA-ARK1
NCBI Protein Information	beta-adrenergic receptor kinase 1; beta-ARK-1; G-protein coupled receptor kinase 2
UniProt Protein Name	Beta-adrenergic receptor kinase 1
UniProt Gene Name	ADRBK1
UniProt Synonym Gene Names	BARK; BARK1; GRK2; Beta-ARK-1
UniProt Entry Name	ARBK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/adrbk1-antibody-immunohistochemistry-western-blot-elisa/37211>