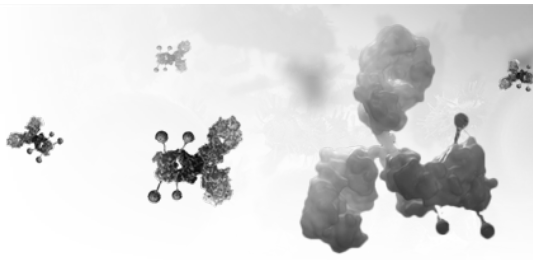

Rabbit Anti-ADRBK1 monoclonal antibody, clone TU16-71 (CABT-L682)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	GRK2
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TU16-71
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC
Molecular Weight	80 kDa
Cellular Localization	Cytoplasm, Cell membrane.
Positive Control	Hela, human tonsil tissue, human spleen tissue, mouse brain tissue, mouse spleen tissue
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Heterotrimeric G protein-mediated signal transduction is a dynamically regulated process with the intensity of signal decreasing over time despite the continued presence of the agonist. This phenomenon, referred to as agonist-mediated desensitization, involves phosphorylation of the receptor by two classes of enzymes. The first class is comprised of the second messenger-regulated kinases, such as c-AMP dependent protein kinase A and protein kinase C. The second class includes the G protein-coupled receptor kinases (GRKs). At least seven members of the GRK family have been identified. These include rhodopsin kinase (GRK 1), two forms of beta-adrenergic receptor kinase: GRK 2 (betaARK, betaARK1) and GRK 3 (betaARK2), IT-11 (GRK 4), GRK 5, GRK 6 and GRK 7. Phosphorylation of receptors by GRKs appears to be strictly dependent on the receptor being in its agonist-activated state.
Keywords	ADRBK1;Adrenergic beta receptor kinase 1;ARBK1_HUMAN;BARK;BARK1;Beta adrenergic receptor kinase 1;Beta ARK 1;Beta ARK1;Beta-adrenergic receptor kinase 1;Beta-ARK-1;FLJ16718;G protein coupled receptor kinase 2;G-protein coupled receptor kinase 2;GRK2 antibody

GENE INFORMATION

Entrez Gene ID	332

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