

DATASHEET

KA1 Rabbit Polyclonal Antibody

CAT. NO. APA15766

KEY FEATURES

Target	KA1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Ionotropic glutamate receptor that functions as a cation-permeable ligand-gated ion channel. Cannot form functional channels on its own. Shows channel activity only in heteromeric assembly with GRIK1, GRIK2 and GRIK3 subunits.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

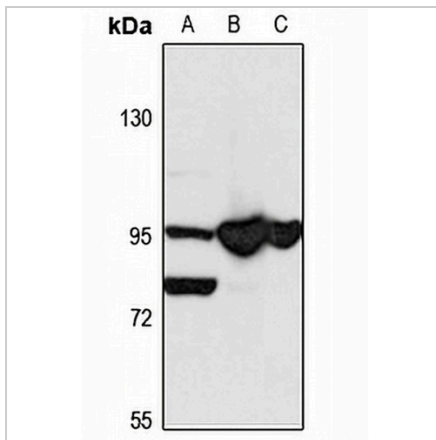
Description	Rabbit polyclonal antibody to KA1
Specificity	Recognizes endogenous levels of KA1 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human KA1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 107 kD; Observed: 100 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GRIK; Glutamate receptor ionotropic kainate 4; GluK4; Excitatory amino acid receptor 1; EAA1; Glutamate receptor KA-1; KA1
Gene Symbol	GRIK4
Entrez Gene	2900(Human); 110637(Mouse); 24406(Rat)
SwissProt	Q16099(Human); Q8BMF5(Mouse); Q01812(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of KA1 expression in SHSY5Y (A), mouse brain (B), rat kidney (C) whole cell lysates. (Predicted band size: 107 kD; Observed band size: 100 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.