

**DATASHEET**

**Rap 2a Rabbit Polyclonal Antibody**

CAT. NO. APA16665

**KEY FEATURES**

Target	Rap 2a	Source / Host	Rabbit
Reactivity	Human, Mouse	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**

Small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form . In its active form interacts with and regulates several effectors including MAP4K4, MINK1 and TNIK . Part of a signaling complex composed of NEDD4, RAP2A and TNIK which regulates neuronal dendrite extension and arborization during development . More generally, it is part of several signaling cascades and regulates cytoskeletal rearrangements, cell migration, cell adhesion and cell spreading .

**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**

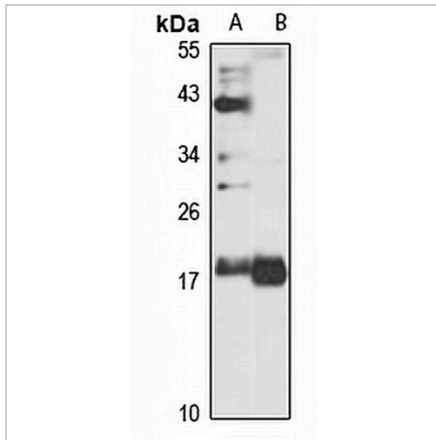
Description	Rabbit polyclonal antibody to Rap 2a
Specificity	Recognizes endogenous levels of Rap 2a protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Rap 2a. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 20 kD; Observed: 21 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	Ras-related protein Rap-2a; RbBP-30
Gene Symbol	RAP2A
Entrez Gene	5911(Human); 76108(Mouse)
SwissProt	P10114(Human); Q80ZJ1(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto: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 Rap 2a expression in SW620 (A), mouse brain (B) whole cell lysates. (Predicted band size: 20 kD; Observed band size: 21 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.