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## anti-RAP2A antibody (N-Term)





Go to Product page

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Quantity:	100 μL
Target:	RAP2A
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Horse, Cow, Guinea Pig, Rabbit, Sheep, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAP2A antibody is un-conjugated
Application:	Western Blotting (WB)

#### **Product Details**

Sequence:	KYDPTIEDFY RKEIEVDSSP SVLEILDTAG TEQFASMRDL YIKNGQGFIL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against RAP2A. It was validated on Western Blot.
Purification:	Affinity Purified

### **Target Details**

Target:	RAP2A
Alternative Name:	RAP2A (RAP2A Products)
Background:	RAP2A is a 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 may regulate cytoskeletal rearrangements, cell migration, cell adhesion and cell spreading.

Alias Symbols: K-REV, KREV, RAP2, RbBP-30

Protein Interaction Partner: UBC, RPTOR, ELAVL1, RRP9, TM7SF2, PLG, SERPINA1, FTL, FKBP2, ENSA, EEF1A1, NEDD4, TNIK, RUNDC3A, GRIN1, RASIP1, RAPGEF5, RAPGEF6, ARHGAP29, RASSF5, MAP4K4, BMPR1B, GRIN2D, RGS14, RALGDS, SMAD1, TGFBR1, RAP2A, RAF1, MLLT4,

FNTB, ACVR1, RAPGEF4, RAPGEF3, RA

Protein Size: 183

Molecular Weight: 20 kDa

Gene ID: 5911

NCBI Accession: NM\_021033, NP\_066361

UniProt: P10114

#### **Application Details**

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 183 AA	
Restrictions:	For Research Use only	

#### Handling

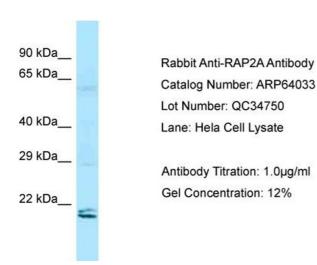
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Storage Comment:

For short term use, store at 2-8  $^{\circ}\text{C}$  up to 1 week. For long term storage, store at -20  $^{\circ}\text{C}$  in small

aliquots to prevent freeze-thaw cycles.

#### Validation report #103540 for Western Blotting (WB)



#### **Western Blotting**

Image 1.