

Datasheet for ABIN497936
anti-RANBP1 antibody (N-Term)

3 Images

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Overview

Quantity:	0.1 mL
Target:	RANBP1
Binding Specificity:	AA 1-187, N-Term
Reactivity:	Human, Mouse, Rat, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RANBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 187 of Ran BP-1
Specificity:	Recognizes RAN binding protein 1/RANBP1 (1-187).
Cross-Reactivity (Details):	Species reactivity (expected):Rat (97 %), Bovine (88 %). Species reactivity (tested):Human, Mouse.
Purification:	Antigen-Affinity Chromatography.

Target Details

Target:	RANBP1
Alternative Name:	RANBP1 (RANBP1 Products)

Target Details

Background: Ran/TC4-binding protein, RanBP1, interacts specifically with GTP-charged RAN. RANBP1 encodes a 23-kD protein that binds to RAN complexed with GTP but not GDP. RANBP1 does not activate GTPase activity of RAN but does markedly increase GTP hydrolysis by the RanGTPase-activating protein (RanGAP1). The RANBP1 cDNA encodes a 201-amino acid protein that is 92 % similar to its mouse homolog. In both mammalian cells and in yeast, RANBP1 acts as a negative regulator of RCC1 by inhibiting RCC1-stimulated guanine nucleotide release from RAN. Synonyms: Ran-binding protein 1, Ran-specific GTPase-activating protein

Gene ID: 5902, 9606

UniProt: [P43487](#)

Application Details

Application Notes: Suitable for use in Western blotting, and Immunocytochemistry/Immunofluorescence.
Recommended Dilutions: Western blotting: 1/500-1/3000. Immunofluorescence: 1/100-1/200.
Positive Controls: 293T, A431, H1299, HeLaS3, HepG2, Molt-4, Raji.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: 0.1 M Tris, 0.1 M Glycine, 10 % Glycerol (pH 7) containing 0.01 % Thimerosal as preservative.

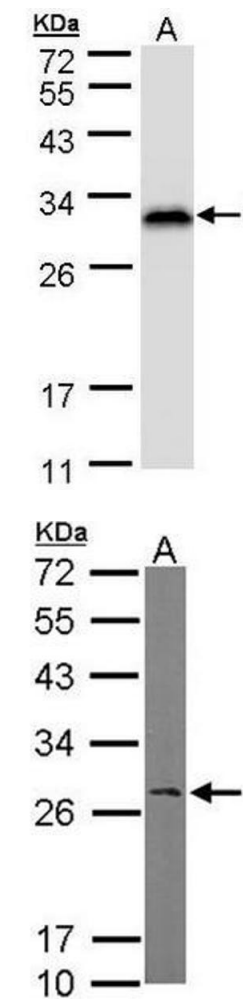
Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains thimerosal (merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

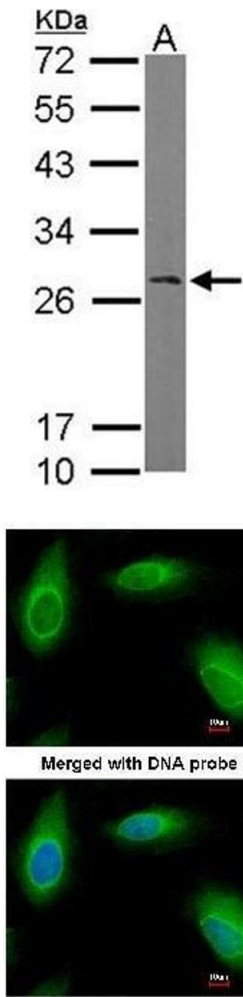
Storage: -20 °C

Storage Comment: Store the antibody undiluted (in aliquots) at -20 °C.



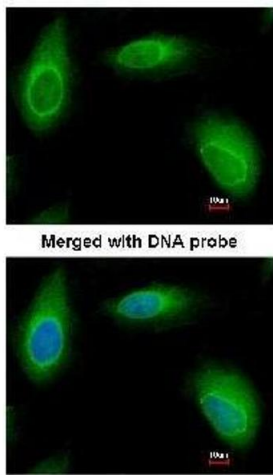
Western Blotting

Image 1. AP19035PU-N Ran BP1 antibody staining of HeLaS3 (A) whole cell lysate (30 µg) at 1/1000 dilution, 12% SDS PAGE.



Western Blotting

Image 2. AP19035PU-N Ran BP1 antibody staining of Mouse brain (A) whole cell lysate (50 µg) at 1/1000 dilution, 12% SDS PAGE.



Immunofluorescence

Image 3. AP19035PU-N Ran BP1 antibody staining of Paraformaldehyde-fixed HeLa by Immunofluorescence at 1/200 dilution.