

Rabbit RanBP1 Polyclonal Antibody | anti-RanBP1 antibody

Anti-RanBP1 Picoband Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124717	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Western Blot, Immunohistochemistry

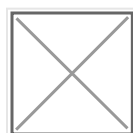
PRODUCT SYNONYMS

RanBP1; Polyclonal Antibody; Anti-RanBP1 Picoband Antibody; Ran-specific GTPase-activating protein; Ran-binding protein 1; RANBP1; anti-RanBP1 antibody

PRODUCT SPECIFICATIONS

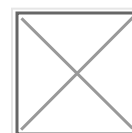
Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	200
Applicable Applications for anti-RanBP1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	E Coli-derived human RanBP1 recombinant protein (Position: A2-Q201). Human RanBP1 shares 93.1% amino acid (aa) sequence identity with mouse RanBP1.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Figure 5. IHC analysis of RanBP1 using anti- RanBP1 antibody (AAA124717).RanBP1 was detected in paraffin-embedded section of human lung cancer tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- RanBP1 Antibody (AAA124717) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



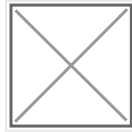
IHC (Immunohistochemistry)

Figure 4. IHC analysis of RanBP1 using anti- RanBP1 antibody (AAA124717).RanBP1 was detected in paraffin-embedded section of human intestinal cancer tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- RanBP1 Antibody (AAA124717) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



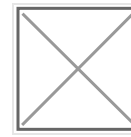
IHC (Immunohistochemisry)

Figure 3. IHC analysis of RanBP1 using anti- RanBP1 antibody (AAA124717).RanBP1 was detected in paraffin-embedded section of rat intestine tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- RanBP1 Antibody (AAA124717) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of RanBP1 using anti- RanBP1 antibody (AAA124717).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: MCF-7 whole Cell lysates,Lane 2: HELA whole Cell lysates,Lane 3: HEPG2 whole cell lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- RanBP1 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for RanBP1 at approximately 27KD. The expected band size for RanBP1 is at 23KD.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of RanBP1 using anti- RanBP1 antibody (AAA124717).RanBP1 was detected in paraffin-embedded section of mouse intestine tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- RanBP1 Antibody (AAA124717) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-RanBP1 antibody	Description: Ran-specific binding protein 1 is an enzyme that in humans is encoded by the RANBP1 gene. This gene encodes a protein that forms a complex with Ras-related nuclear protein (Ran) and metabolizes guanoside triphosphate (GTP). This complex participates in the regulation of the cell cycle by controlling transport of proteins and nucleic acids into the nucleus. There are multiple pseudogenes for this gene on chromosomes 9, 12, 17, and X. Alternative splicing results in multiple transcript variants. Protein Function: Inhibits GTP exchange on Ran. Forms a Ran-GTP-RANBP1 trimeric complex. Increase GTP hydrolysis induced by the Ran GTPase activating protein RANGAP1. May act in an intracellular signaling pathway which may control the progression through the cell cycle by regulating the transport of protein and nucleic acids across the nuclear membrane.
Product Categories/Family for anti-RanBP1 antibody	Cell Biology ; Cell Cycle ; Cell Division ; spindle ; Signal Transduction ; Protein Trafficking ; nuclear import/export ; Epigenetics and Nuclear Signaling ; DNA/RNA ; rna processing

NCBI AND UNIPROT INFORMATION

NCBI GI #	520975477
NCBI GeneID	5902
NCBI Accession #	NP_001265568.1
NCBI GenBank Nucleotide #	NM_001278639.1
UniProt Accession #	P43487; Q53EY3
Molecular Weight	23310 MW
NCBI Official Full Name	ran-specific GTPase-activating protein isoform 1
NCBI Official Synonym Full Names	RAN binding protein 1

NCBI Official Symbol	RANBP1
NCBI Official Synonym Symbols	HTF9A
NCBI Protein Information	ran-specific GTPase-activating protein
UniProt Protein Name	Ran-specific GTPase-activating protein
UniProt Gene Name	RANBP1
UniProt Synonym Gene Names	RanBP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ranbp1-antibody-western-blot-immunohistochemistry-elisa/124717>