

RanBP2 recombinant protein

RanBP2, Active

CATALOG # AAA73942	HOST E Coli	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

RanBP2; Active; ADANE; ANE1; IIAE3; NUP358; TRP1; TRP2; RanBP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, and 25% glycerol.
Applicable Applications for RanBP2 recombinant protein	WB (Western Blot)
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for RanBP2 recombinant protein	Recombinant human RanBP2 (2553-2838) was expressed in E Coli cells using an N-terminal His tag. The RanBP2 gene accession number is NM_006267. RNA binding protein 2 (RanBP2) acts as an E3 SUMO-protein ligase interacting with E2 ligase UBE2I to facilitate SUMO1 and SUMO2 transferring (1). RanBP2 is involved in the modification of nuclear transport by functioning together with the nuclear pore complex through sumoylation (2). Also, RanBP2 is important for the assembly of the PML by sumo conjugation at 'Lys-490' (3). In addition, RanBP2 facilitates the modification of HDAC4 (4).
Product Categories/Family for RanBP2 recombinant protein	Ubiquitin Enzymes; Cancer; Cell Cycle; Inflammation

References

1. Pichler A., et al. The nucleoporin RanBP2 has SUMO1 E3 ligase activity. Cell, 108:109-120, 2002.
2. Reverter D., et al. Insights into E3 ligase activity revealed by a SUMO-RanGAP1-Ubc9-Nup358 complex. Nature, 435:687-692, 2005.
3. Tatham MH, et al. Unique binding interactions among Ubc9, SUMO and RanBP2 reveal a mechanism for SUMO paralog selection. Nat Struct Mol Biol, Jan;12(1):67-74, 2005.
4. Kirsh O., et al. The SUMO E3 ligase RanBP2 promotes modification of the HDAC4 deacetylase. EMBO J., 21:2682-2691, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_006267](#)

Molecular Weight

~48kDa

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/ranbp2-recombinant-protein-e-coli-wb-western-blot/73942>