

RANBP3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16369a**Specification**

RANBP3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q9H6Z4](#)

RANBP3 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 8498

Other Names

Ran-binding protein 3, RanBP3, RANBP3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RANBP3 Antibody (N-term) Blocking Peptide - Protein Information

Name RANBP3

Function

Acts as a cofactor for XPO1/CRM1-mediated nuclear export, perhaps as export complex scaffolding protein. Bound to XPO1/CRM1, stabilizes the XPO1/CRM1-cargo interaction. In the absence of Ran-bound GTP prevents binding of XPO1/CRM1 to the nuclear pore complex. Binds to CHC1/RCC1 and increases the guanine nucleotide exchange activity of CHC1/RCC1. Recruits XPO1/CRM1 to CHC1/RCC1 in a Ran-dependent manner. Negative regulator of TGF-beta signaling through interaction with the R-SMAD proteins, SMAD2 and SMAD3, and mediating their nuclear export.

Cellular Location

Cytoplasm. Nucleus

Tissue Location

Widely expressed with high levels in testis and heart.

RANBP3 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

RANBP3 Antibody (N-term) Blocking Peptide - Images

RANBP3 Antibody (N-term) Blocking Peptide - Background

RANBP3 is a protein with a RanBD1 domain that is found in both the nucleus and cytoplasm. This protein plays a role in nuclear export as part of a heteromeric complex. Alternative transcriptional splice variants, encoding different isoforms, have been characterized.

RANBP3 Antibody (N-term) Blocking Peptide - References

Dai, F., et al. Dev. Cell 16(3):345-357(2009) Yoon, S.O., et al. Mol. Cell 29(3):362-375(2008) Olsen, J.V., et al. Cell 127(3):635-648(2006) Hakata, Y., et al. Mol. Cell. Biol. 23(23):8751-8761(2003) Nemergut, M.E., et al. J. Biol. Chem. 277(20):17385-17388(2002)