

IPO13 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5898b**Specification**

IPO13 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O94829](#)
Other Accession [NP_055467.3](#)

IPO13 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 9670

Other Names

Importin-13, Imp13, Karyopherin-13, Kap13, Ran-binding protein 13, RanBP13, IPO13, KIAA0724, RANBP13

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.

IPO13 Antibody (C-term) Blocking peptide - Protein Information

Name IPO13

Synonyms KIAA0724, RANBP13

Function

Functions in nuclear protein import as nuclear transport receptor. Serves as receptor for nuclear localization signals (NLS) in cargo substrates. Is thought to mediate docking of the importin/substrate complex to the nuclear pore complex (NPC) through binding to nucleoporin and the complex is subsequently translocated through the pore by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to the importin, the importin/substrate complex dissociates and importin is re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran. The directionality of nuclear import is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus (By similarity). Mediates the nuclear import of UBC9, the RBM8A/MAGOH complex, PAX6 and probably other members of the paired homeobox family. Also mediates nuclear export of eIF-1A, and the cytoplasmic release of eIF-1A is triggered by the loading of import substrates onto IPO13.

Cellular Location

Cytoplasm. Nucleus.

Tissue Location

Expressed in fetal brain, heart, intestine and kidney.

IPO13 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

IPO13 Antibody (C-term) Blocking peptide - Images