

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

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**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**