

**BARON Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1831c****Specification**

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**BARON Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q92622](#)**BARON Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9711**Other Names**

Run domain Beclin-1 interacting and cysteine-rich containing protein, Rubicon, Beclin-1 associated RUN domain containing protein, Baron, KIAA0226

**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.

**BARON Antibody (Center) Blocking Peptide - Protein Information****Name** RUBCN ([HGNC:28991](#))**Synonyms** KIAA0226**Function**

Inhibits PIK3C3 activity; under basal conditions negatively regulates PI3K complex II (PI3KC3-C2) function in autophagy. Negatively regulates endosome maturation and degradative endocytic trafficking and impairs autophagosome maturation process. Can sequester UVRAG from association with a class C Vps complex (possibly the HOPS complex) and negatively regulates Rab7 activation (PubMed:&lt;a href="http://www.uniprot.org/citations/20974968" target="\_blank"&gt;20974968&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/21062745" target="\_blank"&gt;21062745&lt;/a&gt;).

**Cellular Location**

Late endosome. Lysosome. Early endosome Note=Predominantly located in late endosomes/lysosomes, only partially detected in early endosome and not at all in the Golgi apparatus

**BARON Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**BARON Antibody (Center) Blocking Peptide - Images****BARON Antibody (Center) Blocking Peptide - References**

Matsunaga, K., et al. Nat. Cell Biol. 11(4):385-396(2009)Muzny, D.M., et al. Nature 440(7088):1194-1198(2006)Venter, J.C., et al. Science 291(5507):1304-1351(2001)