

UNC119 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9373c**Specification**

UNC119 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q13432](#)**UNC119 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9094**Other Names**

Protein unc-119 homolog A, Retinal protein 4, hRG4, UNC119, RG4

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.

UNC119 Antibody (Center) Blocking Peptide - Protein Information**Name** UNC119**Synonyms** RG4**Function**

Involved in synaptic functions in photoreceptor cells, the signal transduction in immune cells as a Src family kinase activator, endosome recycling, the uptake of bacteria and endocytosis, protein trafficking in sensory neurons and as lipid-binding chaperone with specificity for a diverse subset of myristoylated proteins. Specifically binds the myristoyl moiety of a subset of N-terminally myristoylated proteins and is required for their localization. Binds myristoylated GNAT1 and is required for G-protein localization and trafficking in sensory neurons. Probably plays a role in trafficking proteins in photoreceptor cells. Plays important roles in mediating Src family kinase signals for the completion of cytokinesis via RAB11A.

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole. Cytoplasm, cytoskeleton, spindle. Note=Localizes to the centrosome in interphase cells and begins to translocate from the spindle pole to the spindle midzone after the onset of mitosis; it then localizes to the intercellular bridge in telophase cells and to the midbody in cytokinetic cells.

Tissue Location

Abundantly expressed in retina, in photoreceptor synapses and inner segments. Expressed in a much lesser extent in several other tissues.

UNC119 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

UNC119 Antibody (Center) Blocking Peptide - Images**UNC119 Antibody (Center) Blocking Peptide - Background**

UNC119 is specifically expressed in the photoreceptors in the retina. The encoded product shares strong homology with the *C. elegans* unc119 protein and it can functionally complement the *C. elegans* unc119 mutation. It has been localized to the photoreceptor synapses in the outer plexiform layer of the retina, and suggested to play a role in the mechanism of photoreceptor neurotransmitter release through the synaptic vesicle cycle.

UNC119 Antibody (Center) Blocking Peptide - References

Karim, Z., et al. Cell. Signal. 22(1):128-137(2010) Gorska, M.M., et al. J. Immunol. 183(3):1675-1684(2009) Vepachedu, R., et al. J. Immunol. 179(1):682-690(2007)