

AQR Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9390c**Specification**

AQR Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O60306](#)**AQR Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9716**Other Names**

Intron-binding protein aquarius, Intron-binding protein of 160 kDa, IBP160, AQR, KIAA0560

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.

AQR Antibody (Center) Blocking Peptide - Protein Information**Name** AQR**Synonyms** KIAA0560**Function**

Involved in pre-mRNA splicing as component of the spliceosome (PubMed:11991638, PubMed:25599396, PubMed:28502770, PubMed:28076346).

Intron-binding spliceosomal protein required to link pre-mRNA splicing and snoRNP (small nucleolar ribonucleoprotein) biogenesis (PubMed:16949364). Plays a key role in position-dependent assembly of intron-encoded box C/D small snoRNP, splicing being required for snoRNP assembly (PubMed:16949364). May act by helping the folding of the snoRNA sequence. Binds to intron of pre-mRNAs in a sequence-independent manner, contacting the region between snoRNA and the branchpoint of introns (40 nucleotides upstream of the branchpoint) during the late stages of splicing (PubMed:16949364). Has ATP-dependent RNA helicase activity and can unwind double-stranded RNA molecules with a 3' overhang (in vitro) (PubMed:25599396).

Cellular Location

Nucleus. Nucleus, nucleoplasm. Note=Localizes to speckle-like regions of the nucleoplasm.

AQR Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

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

AQR is intron-binding spliceosomal protein required to link pre-mRNA splicing and snoRNP (small nucleolar ribonucleoprotein) biogenesis. This protein plays a key role in position-dependent assembly of intron-encoded box C/D small snoRNP, splicing being required for snoRNP assembly. This protein may act by helping the folding of the snoRNA sequence. AQR binds to intron of pre-mRNAs in a sequence-independent manner, contacting the region between snoRNA and the branchpoint of introns (40 nucleotides upstream of the branchpoint) during the late stages of splicing.

AQR Antibody (Center) Blocking Peptide - References

Hirose, T., et al. Mol. Cell 23(5):673-684(2006) Jurica, M.S., et al. RNA 8(4):426-439(2002) Sam, M., et al. Dev. Dyn. 212(2):304-317(1998)