

**Rsd-2 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP1966b****Specification**

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**Rsd-2 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q9XUE3](#)**Rsd-2 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 178322**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1966b](/product/products/AP1966b) was selected from the C-term region of human Rsd-2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**Rsd-2 Antibody (N-term) Blocking peptide - Protein Information****Name** Q9XUE3**Rsd-2 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Rsd-2 Antibody (N-term) Blocking peptide - Images****Rsd-2 Antibody (N-term) Blocking peptide - Background**

In *C. elegans*, local introduction of double-stranded RNA initiates silencing of the target gene through the organism. Systemic RNAi effects have not been detected in other species, including mammals. *C. elegans* mutant proteins that block systemic silencing (termed *rsd* or RNAi spreading defective proteins) have been identified. These mutants function normally in the uptake of dsRNA from the gut, but are unable to further parcel this dsRNA to the germline, thus blocking organism

wide phenotypic changes. While *rsd-2* is a large protein displaying no known motifs or homologs that would provide a clue to its specific molecular function, there is evidence that *rsd-2* and *rsd-6* act in a complex to mediate the systemic RNAi phenomenon.

#### **Rsd-2 Antibody (N-term) Blocking peptide - References**

Tijsterman, M et al. *Current Biology*. 2004. 14:111-116. Kim, J K et al. *Science*. 2005. 308(5725):1164-7.