

**CRISP1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17635b****Specification**

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**CRISP1 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P54107](#)

**CRISP1 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 167

**Other Names**

Cysteine-rich secretory protein 1, CRISP-1, AEG-like protein, ARP, Acidic epididymal glycoprotein homolog, CRISP1, AEGL1

**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.

**CRISP1 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** CRISP1

**Synonyms** AEGL1

**Function**

May have a role in sperm-egg fusion and maturation.

**Cellular Location**

Note=Located in the lumen and epithelium of distal ductus efferentes and epididymal ducts, and on the postacrosomal region of the sperm head

**Tissue Location**

Caput, corpus, and cauda regions of the epididymis, the ductus deferens, sperm and seminal plasma

**CRISP1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **CRISP1 Antibody (C-term) Blocking Peptide - Images**

### **CRISP1 Antibody (C-term) Blocking Peptide - Background**

Fertilization consists of a sequence of specific cell-cell interactions culminating in the fusion of the sperm and egg plasma membranes. Recognition, binding, and fusion occur through the interaction of complementary molecules that are localized to specific domains of the sperm and egg plasma membranes. In the sperm, the postacrosomal region or equatorial segment is involved in sperm-egg plasma membrane fusion. The protein encoded by this gene is a member of the cysteine-rich secretory protein (CRISP) family. This protein is expressed in the epididymis, is secreted into the epididymal lumen, and binds to the postacrosomal region of the sperm head where it plays a role at fertilization in sperm-egg fusion through complementary sites localized on the egg surface. Two isoforms are encoded by transcript variants of this gene.

### **CRISP1 Antibody (C-term) Blocking Peptide - References**

Mungall, A.J., et al. Nature 425(6960):805-811(2003) Evans, J.P. Hum. Reprod. Update 8(4):297-311(2002) Cuasnicu, P.S., et al. Arch. Med. Res. 32(6):614-618(2001) Cohen, D.J., et al. Biol. Reprod. 65(4):1000-1005(2001) Kirchhoff, C. Rev. Reprod. 3(2):86-95(1998)