

**CRISP1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17635b**

**Specification**

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

Application	WB,E
Primary Accession	<a href="#">P54107</a>
Other Accession	<a href="#">NP_001122.2</a> , <a href="#">NP_733758.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	28481
Antigen Region	162-191

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

**Gene ID** 167

**Other Names**

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

**Target/Specificity**

This CRISP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 162-191 amino acids from the C-terminal region of human CRISP1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CRISP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CRISP1 Antibody (C-term) - 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**

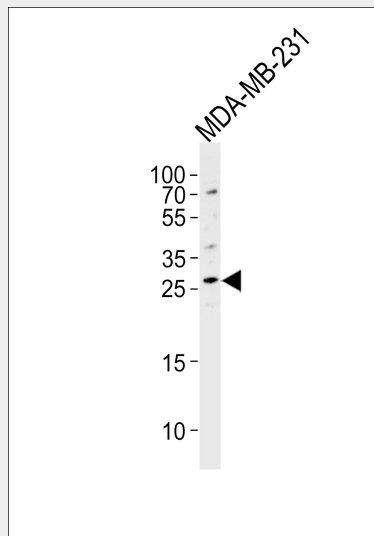
Caput, corpus, and cauda regions of the epididymis, the ductus deferens, sperm and seminal plasma

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

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CRISP1 Antibody (C-term) - Images**



Western blot analysis of lysate from MDA-MB-231 cell line, using CRISP1 Antibody (C-term)(Cat. #AP17635b). AP17635b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

**CRISP1 Antibody (C-term) - 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) - 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)