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CRISP1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17635b

Product Information

Application	WB, E
Primary Accession	P54107
Other Accession	NP_001122.2, NP_733758.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37912
Calculated MW	28481
Antigen Region	162-191

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 E~~Use at an assay dependent concentration.
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.

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

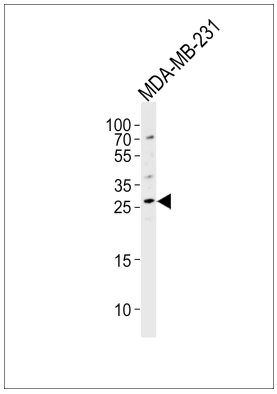
Background

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.

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)

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.