

BP5110**Polyclonal Antibody to Cylicin 1 - Serum**

Alternate names:	CYL, CYL1, CYLC1, Cylicin I, Multiple-band polypeptide I
Quantity:	0.1 ml
Background:	Cylicin 1 has a possible architectural role during spermatogenesis. May be involved in spermatid differentiation. Specific to late spermatogenesis.
Uniprot ID:	P35663
NCBI:	NP_066941.1
GeneID:	1538
Host:	Guinea Pig
Immunogen:	Human recombinant cylicin I, coupled to KLH.
Format:	State: Liquid serum contains 0.09% sodium azide
Applications:	Immunohistochemistry on frozen sections: 1/100; 1h at RT; Western blot: 1/2000; ECL method. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Cylicin I (MW 74,788, deduced from sequence analysis), a basic protein (IEP 10.55) of the sperm head cytoskeleton with Mr 74,000 on SDS-PAGE; multiple band proteins with MW 58, 63, 69 and 74 kDa of calyx-associated polypeptides of bovine spermatozoa. Especially useful in discrimination of morphologically altered "round-headed" spermatozoa. Species: Human, Bovine. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.
General Readings:	1. Hess H, Heid H, Franke WW. Molecular characterization of mammalian cylicin, a basic protein of the sperm head cytoskeleton. J Cell Biol. 1993 Sep;122(5):1043-52. PubMed PMID: 8354692. 2. Hess H, Heid H, Zimbelmann R, Franke WW. The protein complexity of the cytoskeleton of bovine and human sperm heads: the identification and characterization of cylicin II. Exp Cell Res. 1995 May;218(1):174-82. PubMed PMID: 7737358.