

BP5107**Polyclonal Antibody to Calicin - Serum**

Alternate names:	CCIN
Quantity:	0.1 ml
Background:	Calicin is a basic protein of the sperm head cytoskeleton, necessary for normal morphology during sperm differentiation. This protein contains kelch repeats and a BTB/POZ domain and is intronless.
Uniprot ID:	Q28068
NCBI:	NP_776430.2
GeneID:	281041
Host:	Guinea Pig
Immunogen:	Synthetic N-terminal domain (aa 1-24) of bovine calicin, coupled to KLH.
Format:	State: Liquid serum contains 0.09% sodium azide
Applications:	Immunohistochemistry on frozen: 1/100; 1h at RT. Western blot: 1/2000 (ECL). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Sperm head calyx protein calicin (mw 66,889; IEP 8.1; 588 amino acids), testis specific cytoskeletal protein Homologue to kelch protein of the ring canal structure of Drosophila ovaries. Useful to study spermiogenetic differentiation. Calicin is absent from pathologic forms like roundheaded or other post-acrosomal sheath defect sperm malformations. Species: Human, Bovine, Rabbit, Rat, Mouse. 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. von Bülow M, Heid H, Hess H, Franke WW. Molecular nature of calicin, a major basic protein of the mammalian sperm head cytoskeleton. Exp Cell Res. 1995 Aug;219(2):407-13. PubMed PMID: 7641791.