ZP3 rabbit pAb

Catalog_no：	AN3604
Applications：	WB
Reactivity：	Human, Mouse,Rat
Category：	抗原抗体
Size：	100μg/50μg/20μg
Gene_name：	ZP3 ZP3A ZP3B ZPC
Protein_name：	ZP3
Humangene_id：	7784
Humanswissprot_no：	P21754
Mousegene_id：	22788
Mouseswissprot_no：	P10761
Ratgene_id：	114639
Ratswissprot_no：	P97708
Immunogen：	Synthesized peptide derived from human ZP3
Specificity：	This antibody detects endogenous levels of ZP3 at Human/Mouse/Rat
Formulation：	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source：	Rabbit
Dilution：	WB 1：500-2000
Purification：	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration：	1 mg/ml
Storage_stability：	-20°C/1 year
Background：	The zona pellucida is an extracellular matrix that surrounds the oocyte and early embryo. It is composed primarily of three or four glycoproteins with various functions during fertilization and preimplantation development. The protein encoded by this gene

is a structural component of the zona pellucida and functions in primary binding and induction of the sperm acrosome reaction. The nascent protein contains a N-terminal signal peptide sequence, a conserved ZP domain, a C-terminal consensus furin cleavage site, and a transmembrane domain. It is hypothesized that furin cleavage results in release of the mature protein from the plasma membrane for subsequent incorporation into the zona pellucida matrix. However, the requirement for furin cleavage in this process remains controversial based on mouse studies. A variation in the last exon of this gene has previously served as the basis for an additional ZP3 locus; however, sequence and literature review reveals that there is only one full-length ZP3 locus in the human genome. Another locus encoding a bipartite transcript designated POMZP3 contains a duplication of the last four exons of ZP3, including the above described variation, and maps closely to this gene. [provided by RefSeq, Jul 2008],