

ZP1 rabbit pAb**Cat#: orb768148 (Manual)**

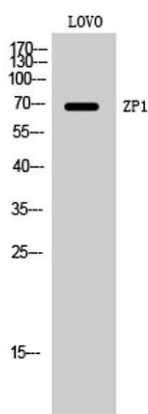
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Product Name	ZP1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ZP1. AA range:221-270
Specificity	ZP1 Polyclonal Antibody detects endogenous levels of ZP1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Zona pellucida sperm-binding protein 1
Gene Name	ZP1
Cellular localization	[Processed zona pellucida sperm-binding protein 1]: Zona pellucida .; Cell membrane ; Single-pass type I membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

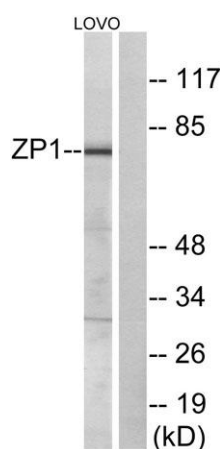
Concentration	1 mg/ml
Observed band	70kD
Human Gene ID	22917
Human Swiss-Prot Number	P60852
Alternative Names	ZP1; Zona pellucida sperm-binding protein 1; Zona pellucida glycoprotein 1; Zp-1

Background

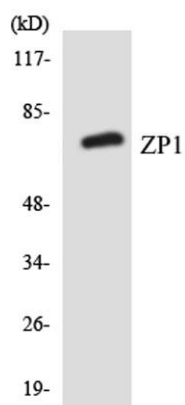
The zona pellucida is an extracellular matrix that surrounds the oocyte and early embryo. It is composed primarily of three or four glycoproteins with various functions during fertilization and preimplantation development. The protein encoded by this gene ensures the structural integrity of the zona pellucida. Mutations in this gene are a cause of oocyte maturation defect and infertility. [provided by RefSeq, May 2014],



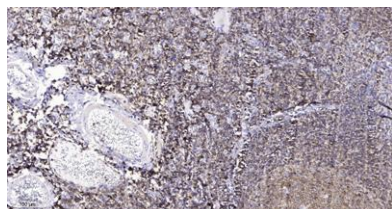
Western Blot analysis of LOVO cells using ZP1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from LOVO cells, using ZP1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using ZP1 antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).