

ZP1 Polyclonal Antibody
Catalog # AP73177**Specification**

ZP1 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P60852
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

ZP1 Polyclonal Antibody - Additional Information**Gene ID** 22917**Other Names**

ZP1; Zona pellucida sperm-binding protein 1; Zona pellucida glycoprotein 1; Zp-1

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

ZP1 Polyclonal Antibody - Protein Information**Name** ZP1**Function**

Component of the zona pellucida, an extracellular matrix surrounding oocytes which mediates sperm binding, induction of the acrosome reaction and prevents post-fertilization polyspermy. The zona pellucida is composed of 3 to 4 glycoproteins, ZP1, ZP2, ZP3, and ZP4. ZP1 ensures the structural integrity of the zona pellucida.

Cellular Location

[Processed zona pellucida sperm-binding protein 1]: Zona pellucida

Tissue Location

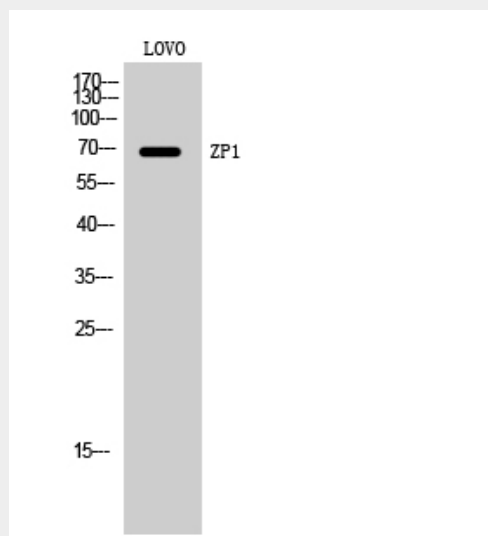
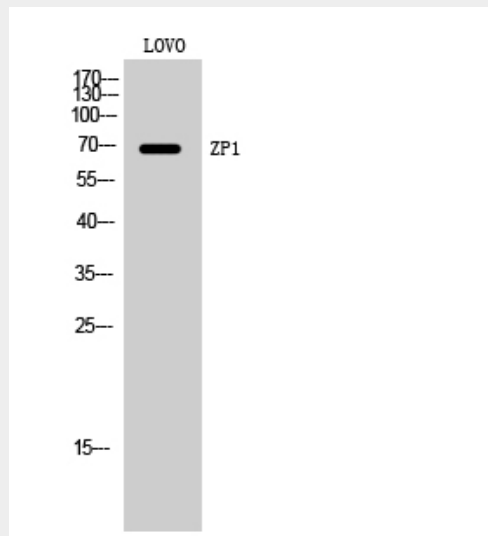
Expressed in oocytes (at protein level).

ZP1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ZP1 Polyclonal Antibody - Images



ZP1 Polyclonal Antibody - Background

The mammalian zona pellucida, which mediates species-specific sperm binding, induction of the acrosome reaction and prevents post-fertilization polyspermy, is composed of three to four glycoproteins, ZP1, ZP2, ZP3, and ZP4. ZP1 ensures the structural integrity of the zona pellucida.