

## ZP4 polyclonal antibody

Catalog: BS65312

Host: Rabbit

Reactivity: Human

### BackGround:

zona pellucida glycoprotein 4(ZP4) Homo sapiens 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 nascent protein contains a N-terminal signal peptide sequence, a conserved ZP domain, a consensus furin cleavage site, and a C-terminal 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. Previously, this gene has been referred to as ZP1 or ZPB and thought to have similar functions as mouse Zp1. However, a human gene with higher similarity and chromosomal synteny to mouse Zp1 has been assigned the symbol ZP1 and this gene has been

### Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Molecular Weight:

~ 65 kDa

### Swiss-Prot:

Q12836

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

### Applications:

Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet

tested in other applications.

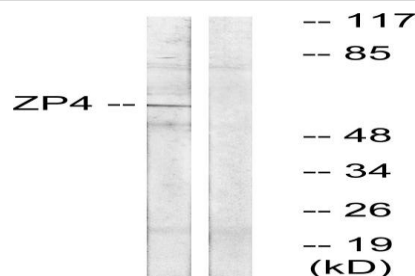
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

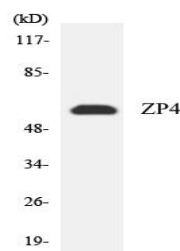
ZP4 Polyclonal Antibody detects endogenous levels of ZP4 protein.

### DATA:



Western blot analysis of lysates from Jurkat cells, using ZP4 Antibody.

The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using ZP4 antibody.

### Note:

For research use only, not for use in diagnostic procedure.

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