

ZP4 polyclonal antibody

Catalog: BS5984

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The mammalian zona pellucida is composed of four major glycoproteins, ZP1, ZP2, ZP3 and ZP4, which may act as sperm receptors. Two forms of porcine ZP4 peptides exist: one consisting of 128 amino acid residues and the other of 133 amino acid residues. These two peptides are identical, except the larger form contains an additional five amino acid sequence at its carboxy-terminal end. Both peptides have two potential N-linked glycosylation sites. The smaller peptide shares 39.1% identity with the amino-terminal region of mouse ZP2 polypeptide. Based on results from animal studies, ZP4 antigen is a promising candidate for the development of a contraceptive vaccine.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 59 kDa

Swiss-Prot:

Q12836

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

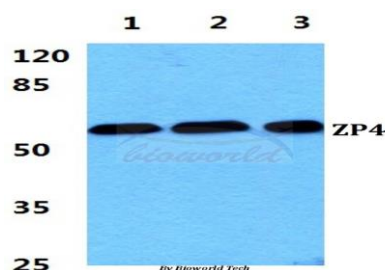
Storage&Stability:

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 (WB) analysis of ZP4 polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate

Lane2:sp2/0 cell lysate

Lane3:H9C2 cell lysate

Note:

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

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