

# ZBPB2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56250

## Product Information

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| <b>Application</b>             | WB, IHC-P, IHC-F, IF, ICC, E  |
| <b>Primary Accession</b>       | <a href="#">Q6X784</a>  |
| <b>Reactivity</b>              | Rat, Pig, Bovine  |
| <b>Host</b>                    | Rabbit  |
| <b>Clonality</b>               | Polyclonal  |
| <b>Calculated MW</b>           | 38652   |
| <b>Physical State</b>          | Liquid  |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human ZBPB2   |
| <b>Epitope Specificity</b>     | 51-150/338  |
| <b>Isotype</b>                 | IgG   |
| <b>Purity</b>                  | affinity purified by Protein A  |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.   |
| <b>SUBCELLULAR LOCATION</b>    | Secreted.   |
| <b>SIMILARITY</b>              | Belongs to the zona pellucida-binding protein Sp38 family.  |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.   |
| <b>Background Descriptions</b> | Mammalian gametes recognize each other when the plasma membrane of the sperm head binds to the zona pellucida (ZP), an extracellular coat surrounding eggs. The zona pellucida is composed of four major glycoproteins expressed in oocytes, ZP1, ZP2, ZP3 and ZP4. Important receptors of zona pellucida on sperm are the zona pellucida binding proteins (ZPBPs). ZPBPs are suggested to play an essential role in sperm-egg interaction. ZBPB2 (zona pellucida binding protein 2), also known as ZPBPL, is a 338 amino acid secreted protein that belongs to the zona pellucida-binding protein Sp38 family. Mutations in the gene encoding ZBPB2 may cause subfertility. ZBPB2 exists as two alternatively spliced isoforms and is encoded by a gene located on human chromosome 17q12. |

## Additional Information

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| <b>Gene ID</b>     | 124626  |
| <b>Other Names</b> | Zona pellucida-binding protein 2, ZBPB-like protein, ZBPB2, ZPBPL   |
| <b>Dilution</b>    | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000   |
| <b>Format</b>      | 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce  |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody |

is stable for at least two weeks at 2-4 °C.

## Protein Information

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|--------------------------|---|
| <b>Name</b>              | ZBPB2   |
| <b>Synonyms</b>          | ZPBPL   |
| <b>Function</b>          | Is implicated in sperm-oocyte interaction during fertilization.   |
| <b>Cellular Location</b> | Cytoplasmic vesicle, secretory vesicle, acrosome<br>{ECO:0000250 UniProtKB:Q6X786}. Secreted. Note=Released after the<br>acrosomal reaction. {ECO:0000250 UniProtKB:Q6X786} |
| <b>Tissue Location</b>   | Expressed specifically in testis.   |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.