

DNAxPAb

Hard-to-Find  
Antibody

## ZP2 DNAxPab

Catalog # H00007783-W01P

Size 200 ug

### Specification

**Product Description** Rabbit polyclonal antibody raised against a full-length human ZP2 DNA using DNAx™ Immune technology.

**Technology** [DNAx™ Immune](#)

**Immunogen** Full-length human DNA

**Sequence** MACRQRGGSWSPSGWFNAGWSTYRSISLFFALVTSGNSIDVSQLVNPAFPGTVTCDEREITVEF PSSPGTKKWHASVVDPLGLDMPNCTYILDPEKLTLRATYDNCTRRVHGGHQMTIRVMNNSAALRH GAVMYQFFCPAMQVEETQGLSASTICQKDFMSFSLPRVFSGLADDSKGTKVQMGSIEVGDGA RAKTLTLPEAMKEGFSLLDNHRMTFHVPFNATGVTHYVQGNSHLYM/SLKLTFFISPGQKVIFSSQA ICAPDPVTCNATHMTLTIFEFGKLKSVSFENQNDVSQLHDNGIDLEATNGMKLHFSKTLTKLS EKCLLHQFYLASLKLTLFLLRPETVSMVYPECLCESPVSVTGELCTQDGFMDVEVYSYQTQPALD LGTLRVGNSSCQPVFEAQSQGLVRFHIPLNGCGTRYKFEDDKVVYENEIHALWTDFFPPSKISRDS EFRNDMLLNINVESLTPPVASVKLGPFTLILQSYPDNSYQQPYGENEYPLVRFLRQPYMEVRVLNR DDPNKLVLDDCWATSTMDPDSFPQWNVVVDGCAYDLDNQYQTTTFHPVGSSVTHPDHYQRFDMK AFAFVSEAHVLSSLVYFHCALICNRLSPDSPLCSVTCPVSSRHRRATGATEAEKMTVSLPGPILL LSSDSSFRGVGSSDLKASGSSGEKSRSETGEEVGSRGAMDTKGHKTAGDVGSKAVAFAAFA GVVATLGFMYLYEKRTVSNH

**Host** Rabbit

**Reactivity** Human

**Purification** Protein A

**Quality Control Testing** Antibody reactive against mammalian transfected lysate.

**Storage Buffer** In 1x PBS, pH 7.4

**Storage Instruction** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — ZP2

**Entrez GeneID** [7783](#)

**GeneBank Accession#** [BC096305.3](#)

**Protein Accession#** [AAH96305.1](#)

**Gene Name** ZP2

**Gene Alias** ZPA

**Gene Description** zona pellucida glycoprotein 2 (sperm receptor)

**Omim ID** [182888](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** 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 is a structural component of the zona pellucida and functions in secondary binding and penetration of acrosome-reacted spermatozoa. 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. [provided by RefSeq]

**Other Designations** zona pellucida glycoprotein 2|zona pellucida protein A|zona pellucida sperm-binding protein 2