

Rat Zona Pellucida Glycoprotein 2, Sperm Receptor (ZP2) ELISA Kit | ZP2 elisa kit

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CATALOG #
AAA67056

REACTIVITY
Rat

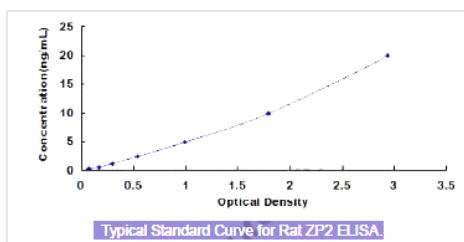
PRODUCT SYNONYMS

Zona Pellucida Glycoprotein 2; Sperm Receptor (ZP2); Rat Zona Pellucida Glycoprotein 2; Sperm Receptor (ZP2) ELISA Kit; ZPA Zona Pellucida Sperm-Binding Protein 2 Zona pellucida protein A; ZP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ZP2. No significant cross-reactivity or interference between ZP2 and analogues was observed.
Sequence Length	713
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.125ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ZP2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ZP2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ZP2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ZP2 in rat tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ZP2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ZP2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ZP2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ZP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27806777
NCBI GeneID	280963
NCBI Accession #	NP_776398.1
NCBI GenBank Nucleotide #	NM_173973.2
UniProt Accession #	Q9BH10
Molecular Weight	79,548 Da
NCBI Official Full Name	zona pellucida sperm-binding protein 2
NCBI Official Symbol	ZP2
NCBI Official Synonym Symbols	Zp-2
NCBI Protein Information	zona pellucida sperm-binding protein 2
UniProt Protein Name	Zona pellucida sperm-binding protein 2
UniProt Gene Name	ZP2
UniProt Synonym Gene Names	ZPA; Zp-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/zona-pellucida-glycoprotein-2-sperm-receptor-zp2/67056>