

# Anti-ZP4 Antibody

Rabbit polyclonal antibody to ZP4  
Catalog # AP59862

## Product Information

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Application	WB
Primary Accession	<a href="#">Q12836</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59400

## Additional Information

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Gene ID	57829
Other Names	ZPB; Zona pellucida sperm-binding protein 4; Zona pellucida glycoprotein 4; Zp-4; Zona pellucida protein B
Target/Specificity	Recognizes endogenous levels of ZP4 protein.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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Name	ZP4
Synonyms	ZPB
Function	Component of the zona pellucida, an extracellular matrix surrounding oocytes which mediates sperm binding, induction of the acrosome reaction and prevents post-fertilization polyspermy. The zona pellucida is composed of 3 to 4 glycoproteins, ZP1, ZP2, ZP3, and ZP4. ZP4 may act as a sperm receptor.
Cellular Location	[Processed zona pellucida sperm-binding protein 4]: Zona pellucida {ECO:0000250 UniProtKB:Q00193}
Tissue Location	Expressed in oocytes.

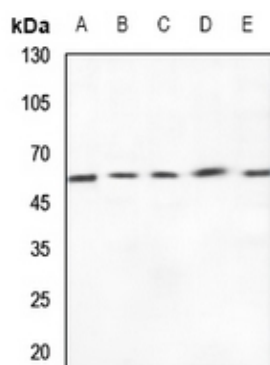
## Background

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KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ZP4. The exact sequence is proprietary.

## Images

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Western blot analysis of ZP4 expression in HEK293T (A), H1688 (B), mouse testis (C), mouse spleen (D), rat testis (E) whole cell lysates.

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