

For Research Use Only

# ZP3 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85084-1-PBS



## Basic Information

Catalog Number: 85084-1-PBS	GenBank Accession Number: BC113949	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 7784	CloneNo.: 242729A8
Source: Rabbit	UNIPROT ID: P21754	
Isotype: IgG	Full Name: zona pellucida glycoprotein 3 (sperm receptor)	
Immunogen Catalog Number: AG15791	Calculated MW: 373 aa, 41 kDa	
	Observed MW: 47 kDa	

## Applications

**Tested Applications:**  
WB, IF-P, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

Zona pellucida (ZP) is an extracellular matrix that surrounds the oocyte and early embryo, which mediates species-specific sperm binding, induction of the acrosome reaction and prevents post-fertilization polyspermy. Mammalian ZP consists of three to four glycoproteins, called ZP1, ZP2, ZP3, ZP4. ZP3 (zona pellucida glycoprotein 3, also known as zona pellucida sperm-binding protein 3) is essential for sperm binding and zona matrix formation. Human ZP3 gene encodes predicted precursor protein of 47 kDa that is processed into mature glycoprotein with larger apparent molecular mass (PMID: 8588935; 10341000).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

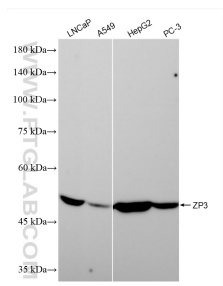
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

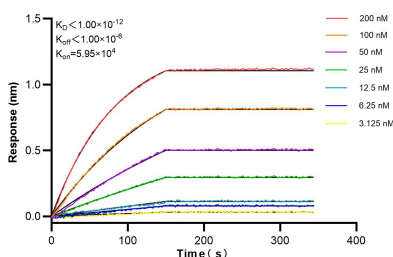
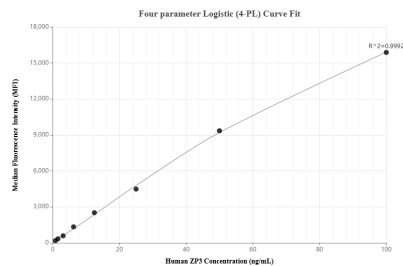
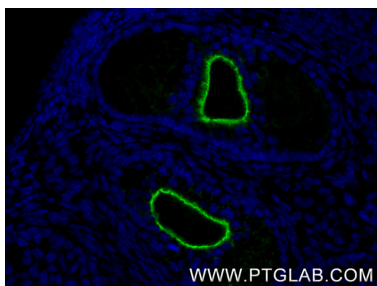
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85084-1-RR (ZP3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85084-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85084-1-RR against Human ZP3 were performed. The affinity constant is below 1 pM.