



Rabbit Anti-ZPBP2 antibody

SL16409R

Product Name:	ZPBP2
Chinese Name:	透明带Binding protein2抗体
Alias:	MGC41930; Zona pellucida binding protein 2; Zona pellucida binding protein like; Zona pellucida-binding protein 2; ZPBP-like protein; Zpbp2; ZPBP2_HUMAN; ZPBPL.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ZPBP2:51-150/338
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Function:

May be implicated in gamete interaction during fertilization.

Subcellular Location:

Secreted.

Similarity:

Belongs to the zona pellucida-binding protein Sp38 family.

SWISS:

Q6X784

Gene ID:

124626

Database links:

[Entrez Gene: 124626](#) Human

[SwissProt: Q6X784](#) Human

[Unigene: 367245](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.