

ZPBP2 Rabbit pAb

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Catalog # AP56250

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q6X784
Predicted	Rat, Pig, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38652
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZPBP2
Epitope Specificity	51-150/338
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. ZPBP2 (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 ZPBP2 may cause subfertility. ZPBP2 exists as two alternatively spliced isoforms and is encoded by a gene located on human chromosome 17q12.

Additional Information

Gene ID	124626
Other Names	Zona pellucida-binding protein 2, ZBPB-like protein, ZPBP2, ZPBPL
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	ZBPB2
Synonyms	ZPBPL
Function	Is implicated in sperm-oocyte interaction during fertilization.
Cellular Location	Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250 UniProtKB:Q6X786}. Secreted. Note=Released after the acrosomal reaction. {ECO:0000250 UniProtKB:Q6X786}
Tissue Location	Expressed specifically in testis.

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