

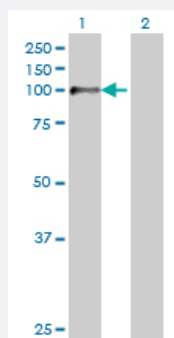
MaxPab®

ZP2 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00007783-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ZP2 expression in transfected 293T cell line ([H00007783-T01](#)) by ZP2 MaxPab polyclonal antibody.

Lane 1: ZP2 transfected lysate(80.96 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ZP2 protein.

Immunogen

ZP2 (AAH96305, 1 a.a. ~ 736 a.a) full-length human protein.

Sequence

MACRQRGGSWSPSGWFNAGWSTYRSISLFFALVTSGNSIDVSQLVNPAFPGTVTCDEREITVEF
PSSPGTKKWHASVVDPLGLDMPNCTYILDPEKLTLRATYDNCTRRVHGGHQMTIRVMNNSAALRH
GAVMYQFFCPAMQVEETQGLSASTICQKDFMSFSLPRVFSGLADDSKGTKVQMGWSIEVGDGA
RAKTLTLPEAMKEGFSLLIDNHRMTFHVFPNATGVTHYVQGNSHLYMVSLKLTIFSPGQKVIFSSQA
ICAPDPVTCNATHMTLTIPEFPGKLKSVSFENQNDVSQLHDNGIDLEATNGMKLHFSKTLTKLS
EKCLLHQFYLASLKLTFLLRPETVSMVYPECLCESPVSVTGELCTQDGFMDVEVYSYQTQPALD
LGTLRVGNSSCQPVFEAQSQGLVRFHIPLNGCGTRYKFEDDKVVYENEIHALWTDFFPPSKISRDS
EFRNDMLLNINVESLTPPVASVKLGPFTLILQSYPDNSYQQPYGENEYPLVRFLRQPIYMEVRVLNR
DDPNIKLVLDCCWATSTMDPDSFPQWNVVVDGCAYDLNMQTTTFHPVGSSVTHPDHYQRFDMK
AFAFVSEAHVLSSLVYFHCSALICNRLSPDPLCSVTCPVSSRHRRATGATEAEKMTVSLPGPILL
LSDSSFRGVGSSDLKASGSSGEKSRSETGEEVGSRGAMDTKGHKTAGDVGSKAVAAVAFA
GVVATLGFIIYLYEKRTVSNH

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (57); Rat (57)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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[Protocol Download](#)

Gene Info — ZP2

Entrez GeneID	7783
GeneBank Accession#	BC096305
Protein Accession#	AAH96305
Gene Name	ZP2
Gene Alias	ZPA
Gene Description	zona pellucida glycoprotein 2 (sperm receptor)
Omim ID	182888
Gene Ontology	Hyperlink

Gene Summary	The zona pellucida is an extracellular matrix that surrounds the oocyte and early embryo. It is composed primarily of three or four glycoproteins with various functions during fertilization and preimplantation development. The protein encoded by this gene is a structural component of the zona pellucida and functions in secondary binding and penetration of acrosome-reacted spermatozoa. The nascent protein contains a N-terminal signal peptide sequence, a conserved ZP domain, a consensus furin cleavage site, and a C-terminal transmembrane domain. It is hypothesized that furin cleavage results in release of the mature protein from the plasma membrane for subsequent incorporation into the zona pellucida matrix. However, the requirement for furin cleavage in this process remains controversial based on mouse studies. [provided by RefSeq]
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Other Designations

zona pellucida glycoprotein 2|zona pellucida protein A|zona pellucida sperm-binding protein 2
