



# Anti-ZP2 monoclonal antibody (DCABH-684)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to ZP2
<b>Antigen Description</b>	The mammalian zona pellucida, which mediates species-specific sperm binding, induction of the acrosome reaction and prevents post-fertilization polyspermy, is composed of three to four glycoproteins, ZP1, ZP2, ZP3, and ZP4. ZP2 may act as a secondary sperm receptor.
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 400-510 of Human ZP2 with a Proprietary tag (NP_003451).
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Positive Control</b>	Recombinant fragment of ZP2 protein
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	pH: 7.20; Constituent: 99% PBS
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ZP2 zona pellucida glycoprotein 2 (sperm receptor) [ Homo sapiens ]</a>
<b>Official Symbol</b>	ZP2
<b>Synonyms</b>	ZP2; zona pellucida glycoprotein 2 (sperm receptor); zona pellucida sperm-binding protein 2; zona pellucida protein A; zona pellucida glycoprotein ZP2; ZPA; Zp-2;
<b>Entrez Gene ID</b>	<a href="#">7783</a>
<b>Protein Refseq</b>	<a href="#">NP_003451</a>
<b>UniProt ID</b>	<a href="#">Q05996</a>
<b>Chromosome Location</b>	16p12
<b>Pathway</b>	Ovarian Infertility Genes, organism-specific biosystem.
<b>Function</b>	acrosin binding; coreceptor activity; receptor activity;