

	<h1>ZP4 Polyclonal Antibody</h1>	E 9 1 5 1 8 0
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<b>Swiss-Prot No.:</b>	Q12836
<b>Storage/Stability:</b>	Store at -20°C. Avoid freeze / thaw cycles.   Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Immunogen:</b>	A synthetic peptide of human ZP4 (NP_067009.1).
<b>Purification:</b>	Affinity purification
<b>Reactivity:</b>	Mouse
<b>Other Names:</b>	—
<b>Background:</b>	<p>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 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. Previously, this gene has been referred to as ZP1 or ZPB and thought to have similar functions as mouse Zp1. However, a human gene with higher similarity and chromosomal synteny to mouse Zp1 has been assigned the symbol ZP1 and this gene has been assigned the symbol ZP4.</p>

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<b>Gene ID:</b>	57829
<b>Source:</b>	Rabbit
<b>Antibody type:</b>	Polyclonal Antibodies
<b>Isotype:</b>	IgG
<b>Molecular Weight:</b>	59kDa
<b>Recommended Dilutions:</b>	WB 1:500 - 1:2000