

## Product datasheet

# Anti-ZP3 antibody ab48895

★★★★☆ 3 Abreviews 1 Image

### Overview

<b>Product name</b>	Anti-ZP3 antibody
<b>Description</b>	Rabbit polyclonal to ZP3
<b>Tested applications</b>	<b>Suitable for:</b> ICC, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Cow
<b>Immunogen</b>	A region within synthetic peptide: QWSRSASRNR RHVTEEADVT VGPLIFLDRR GDHEVEQWAL PSDTSVLLG, corresponding to internal sequence amino acids 342-391 of Human ZP3 <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	HepG2 cell lysate

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 2% Sucrose, PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab48895** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

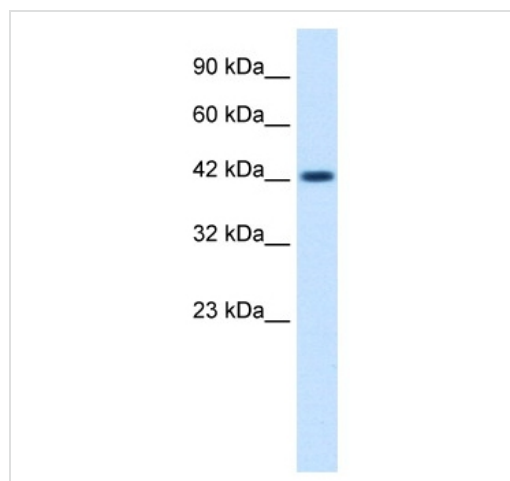
Application	Abreviews	Notes
ICC	★★★★☆	Use at an assay dependent concentration.

Application	Abreviews	Notes
WB	★★★★★	Use a concentration of 0.6 µg/ml. Detects a band of approximately 47 kDa (predicted molecular weight: 47 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

## Target

<b>Function</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. ZP3 is essential for sperm binding and zona matrix formation.
<b>Tissue specificity</b>	Oocytes.
<b>Sequence similarities</b>	Belongs to the ZP domain family. ZPC subfamily. Contains 1 ZP domain.
<b>Domain</b>	The ZP domain is involved in the polymerization of the ZP proteins to form the zona pellucida.
<b>Post-translational modifications</b>	Proteolytically cleaved before the transmembrane segment to yield the secreted ectodomain incorporated in the zona pellucida. N-glycosylated. O-glycosylated; removal of O-linked glycans may play an important role in the post-fertilization block to polyspermy.
<b>Cellular localization</b>	Secreted > extracellular space > extracellular matrix and Cell membrane.

## Images



Western blot - ZP3 antibody (ab48895)

Anti-ZP3 antibody (ab48895) at 0.6 µg/ml +  
HepG2 cell lysate at 10 µg

### Secondary

HRP conjugated anti-Rabbit IgG at 1/50000  
dilution  
Developed using the ECL technique

**Predicted band size** : 47 kDa

**Observed band size** : 45 kDa

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