ZP1 (G259) polyclonal antibody

Catalog: BCP01738 Host: Rabbit Reactivity: Human

BackGround:

The mammalian zona pellucida is composed of three major glycoproteins, ZP1, ZP2 and ZP3. ZP2 has been implicated as a secondary sperm receptor that binds sperm only after the induction of the sperm acrosome reaction. Both ZP2 and ZP3 are modified by the zona reaction; ZP2 undergoes a proteolytic cleavage and ZP3 loses its ability to induce the acrosome reaction and its sperm receptor activity. During the process of fertilization, the initial interaction between male and female gametes is mediated by a sperm receptor, ZP3, which resides in the extracellular glycoprotein matrix (zona pellucida) surrounding the oocyte

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 75 kDa

Swiss-Prot:

P60852

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

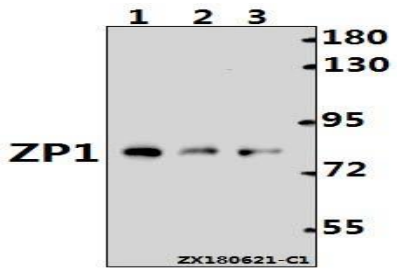
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

ZP1 (G259) polyclonal antibody detects endogenous levels of ZP1 protein.

DATA:

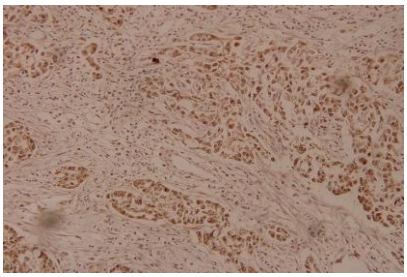


Western blot (WB) analysis of ZP1 (G259) pAb at 1:1000 dilution

Lane1:SK-OVCAR3 whole cell lysate(40ug)

Lane2:A2780 whole cell lysate(40ug)

Lane3:PC3 whole cell lysate(20ug)



Immunohistochemistry (IHC) analyzes of ZP1 (G259) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

For research use only, not for use in diagnostic procedure.

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