

Anti-PRSS35 Antibody Picoband®

Catalog Number: A14920-1

About PRSS35

Proteolytic degradation of extracellular matrix components has been suggested to play an essential role for the occurrence of ovulation. The plasminogen activator and matrix metalloproteinase systems, which were previously believed to be crucial for ovulation, are not required in this process. PRSS35, which was upregulated by gonadotropins. PRSS23 was highly expressed in atretic follicles and it was expressed in the ovarian stroma and theca tissues just prior to ovulation. PRSS35 was expressed in the theca layers of developing follicles. It was also highly induced in granulosa cells of preovulatory follicles. PRSS35 was also expressed in the forming and regressing CL. PRSS35 may be involved in ovulation and CL formation and regression, and that PRSS23 may play a role in follicular atresia.

Overview

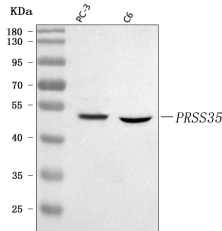
Product Name	Anti-PRSS35 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-PRSS35 Antibody Picoband® catalog # A14920-1. Tested in ELISA, WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q8N3Z0

Technical Details

Immunogen	E.coli-derived human PRSS35 recombinant protein (Position: H30-D340).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Rat ELISA, 0.1-0.5 ug/ml, -

Anti-PRSS35 Antibody Picoband® (A14920-1) Images



Western blot analysis of PRSS35 using anti-PRSS35 antibody (A14920-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human PC-3 whole cell lysates, Lane 2: rat C6 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PRSS35 antigen affinity purified polyclonal antibody (Catalog # A14920-1) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for PRSS35 at approximately 53 kDa. The expected band size for PRSS35 is at 47 kDa.

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