

Anti-PLAC9 Antibody Picoband™

Catalog Number: A17853-1

About PLAC9

By microarray assay to search for mouse genes enriched in placenta, Plac9 was identified as a placenta-enriched gene expressed in mouse 16-cell morula cDNA. By database analysis, human PLAC9, which encodes a deduced 97-amino acid protein, was identified. The deduced 108-amino acid mouse protein has a predicted signal peptide, a coiled-coil domain, and shares 73% identity with human PLAC9. Northern blot analysis of mouse placenta and embryo RNA at 12.5 and 18.5 days postcoitum (dpc) detected predominant expression in placenta.

Overview

Product Name	Anti-PLAC9 Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-PLAC9 Antibody Picoband™ catalog # A17853-1. Tested in ELISA, WB applications. This antibody reacts with Human.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q5JTB6

Technical Details

Immunogen	E. coli-derived human PLAC9 recombinant protein (Position: R30-L81).
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 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Western blot, 0.1-0.5ug/ml

Direct ELISA, 0.1-0.5ug/ml

Anti-PLAC9 Antibody Picoband™ (A17853-1) Images



Figure 1. Western blot analysis of PLAC9 using anti-PLAC9 antibody (A17853-1). 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 50ug of sample under reducing conditions.
Lane 1: human placenta tissue lysates,
Lane 2: human placenta tissue lysates.
After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-PLAC9 antigen affinity purified polyclonal antibody (Catalog # A17853-1) 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 1:10000 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 PLAC9 at approximately 17KD. The expected band size for PLAC9 is at 10KD.

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