

Datasheet for ABIN5693296  
**anti-PLAC9 antibody (AA 30-81)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	PLAC9
Binding Specificity:	AA 30-81
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

## Product Details

Brand:	Picoband™
Immunogen:	E. coli-derived human PLAC9 recombinant protein (Position: R30-L81).
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for PLAC9 detection. Tested with WB, Direct ELISA in Human.

## Target Details

Target:	PLAC9
Alternative Name:	PLAC9 ( <a href="#">PLAC9 Products</a> )
Background:	<p>Synonyms: Placenta-specific protein 9, PLAC9</p> <p>Background: 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</p>

## Target Details

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.

## Application Details

Application Notes: Recommended Detection Systems: Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot.  
Application Details: Western blot, 0.1-0.5 µg/mL  
Direct ELISA, 0.1-0.5 µg/mL

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

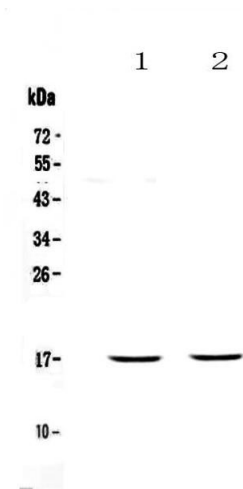
Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg NaN<sub>3</sub>.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.



Western Blotting

**Image 1.** Western blot analysis of PLAC9 using anti-PLAC9 antibody . 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 # ) at 0.5 µg/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.