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## Datasheet for ABIN6991430 **anti-PLAC4 antibody (AA 20-70)**

### Overview

Quantity:	0.1 mg
Target:	PLAC4
Binding Specificity:	AA 20-70
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLAC4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

### Product Details

Immunogen:	PLAC4 antibody was raised against a 17 amino acid synthetic peptide near the center of human PLAC4. The immunogen is located within amino acids 20 - 70 of PLAC4.
Isotype:	IgG
Purification:	PLAC4 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	PLAC4
Alternative Name:	PLAC4 ( <a href="#">PLAC4 Products</a> )
Background:	PLAC4 Antibody: PLAC4 (placenta-specific protein 4), was initially discovered as a gene whose mRNA was expressed in placental syncytiotrophoblast and choriocarcinoma cells. While the function of PLAC4 is currently unclear, its gene is known to be located on chromosome

## Target Details

21q22.3. Due to the PLAC4 gene location on chromosome 21 and the release of its mRNA transcripts into maternal bloodstream from the placenta, it has been proposed to be a useful marker noninvasive prenatal chromosome 21 aneuploidy detection, although other reports suggests that PLAC4 mRNA levels are not altered in the maternal circulation of pregnancies with trisomy 21.

Gene ID: 191585

NCBI Accession: [NP\\_878252](#)

UniProt: [Q8WY50](#)

## Application Details

Application Notes: PLAC4 antibody can be used for detection of PLAC4 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunocytochemistry starting at 10 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PLAC4 Antibody is supplied in PBS containing 0.02 % sodium azide.

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: -20 °C, 4 °C

Storage Comment: PLAC4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.