

Anti-Placenta-specific protein 4 PLAC4 Antibody

Catalog Number: A15552

About PLAC4

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 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.

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Overview

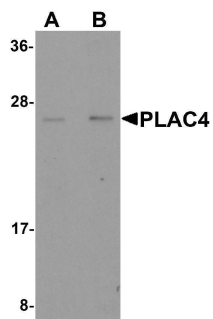
Product Name	Anti-Placenta-specific protein 4 PLAC4 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Placenta-specific protein 4 PLAC4 Antibody (Catalog # A15552). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	PLAC4 Antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.
Storage Instructions	PLAC4 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q8WY50

Technical Details

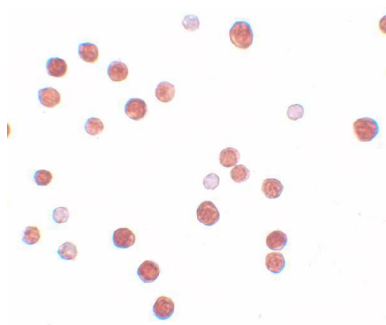
Immunogen	PLAC4 antibody was raised against a 17 amino acid synthetic peptide near the center of human PLAC4. The immunogen is located within amino acids 20 - 70 of PLAC4.
Predicted Reactive Species	Bovine
Isotype	IgG

Form	Liquid
Concentration	1 mg/mL
Purification	PLAC4 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	PLAC4 antibody can be used for detection of PLAC4 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/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. Optimal dilutions for each application should be determined by the researcher.

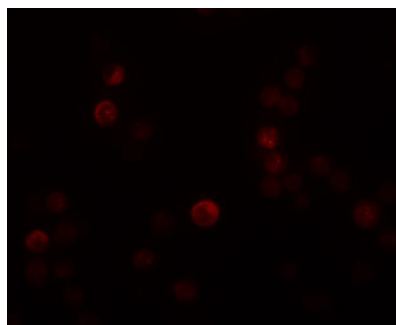
Anti-Placenta-specific protein 4 PLAC4 Antibody (A15552) Images



Western blot analysis of PLAC4 in human placenta tissue lysate with PLAC4 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of PLAC4 in HeLa cells with PLAC4 antibody at 10 ug/mL.



Immunofluorescence of PLAC4 in HeLa cells with PLAC4 antibody at 20 ug/mL.

Anti-Placenta-specific protein 4 PLAC4 Antibody

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