

Anti-PLAC3 PAPPA2 Antibody

Catalog Number: A06838

About PAPPA2

PLAC3 (placenta-specific protein 3), also known as PAPP-A2, is a metalloproteinase that cleaves the insulin-like growth factor-binding protein (IGFBP)-5 in a IGF-independent fashion. It has been suggested that the cleavage of IGFBP-5 and to a lesser extent IGFBP-3 produced in the maternal decidua promotes fetoplacental growth. Recent studies have shown elevated levels of PLAC3 in hypertensive disorders of pregnancy including preeclampsia and HELLP (hemolysis, elevated liver enzymes, and low platelets) syndrome.

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Overview

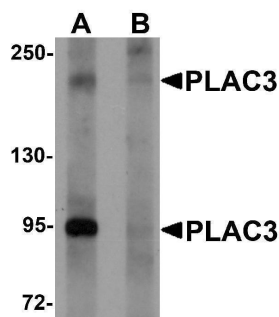
Product Name	Anti-PLAC3 PAPPA2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PLAC3 PAPPA2 Antibody (Catalog # A06838). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	PLAC3 Antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.
Storage Instructions	PLAC3 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	Q9BXP8

Technical Details

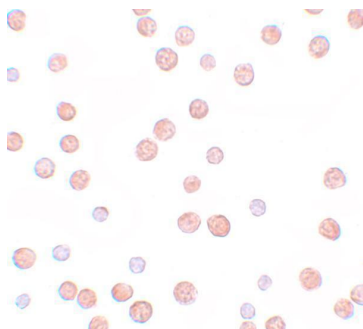
Immunogen	PLAC3 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human PLAC3. The immunogen is located within amino acids 450 - 500 of PLAC3.
Predicted Reactive Species	Chicken
Isotype	IgG

Form	Liquid
Concentration	1 mg/mL
Purification	PLAC3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	PLAC3 antibody can be used for detection of PLAC3 by Western blot at 1 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.

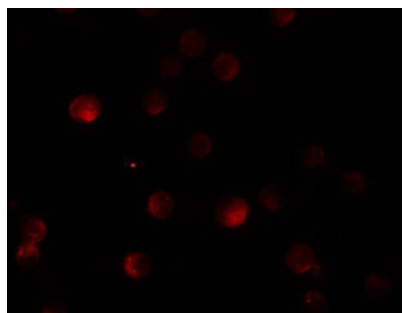
Anti-PLAC3 PAPPA2 Antibody (A06838) Images



Western blot analysis of PLAC3 in HeLa cell lysate with PLAC3 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunocytochemistry of PLAC3 in HeLa cells with PLAC3 antibody at 10 ug/mL.



Immunofluorescence of PLAC3 in HeLa cells with PLAC3 antibody at 20 ug/mL.

Anti-PLAC3 PAPPA2 Antibody

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