

Rabbit PLAC3 Polyclonal Antibody | anti-PAPPA2 antibody

PLAC3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39750	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

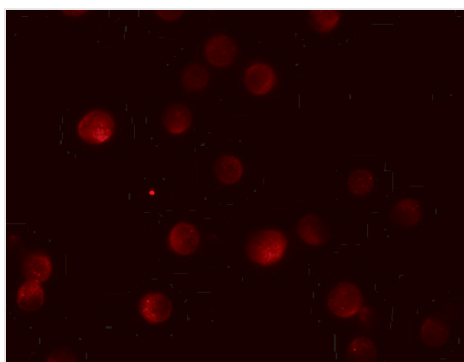
PRODUCT SYNONYMS

PLAC3; Polyclonal Antibody; PLAC3 Antibody; PAPPE; PAPP-E; PAPP-A2; Pappalysin-2; Pregnancy-associated plasma protein A2; pappalysin 2; anti-PAPPA2 antibody

PRODUCT SPECIFICATIONS

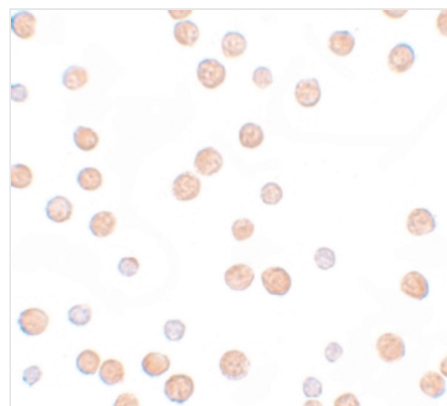
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	PLAC3 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1791
Applicable Applications for anti-PAPPA2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PLAC3 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human PLAC3.
Buffer	PLAC3 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PLAC3 antibody can be stored at 4 degree C for three months and -20 degree 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.

IMAGES



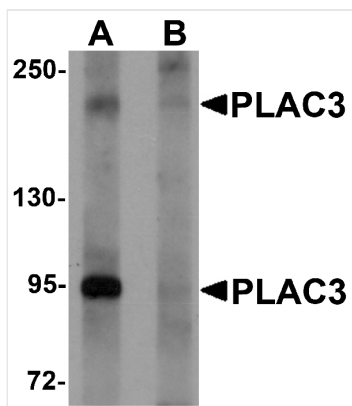
IF (Immunofluorescence)

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



ICC (Immunocytochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-PAPPA2 antibody

PLAC3 Antibody: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116174738
NCBI GeneID	60676
NCBI Accession #	NP_064714
NCBI GenBank Nucleotide #	NM_020318.2
UniProt Accession #	Q9BXP8; Q96PH7; Q96PH8; Q9H4C9; A9Z1Y8
Molecular Weight	92,136 Da
NCBI Official Full Name	pappalysin-2 isoform 1
NCBI Official Synonym Full Names	pappalysin 2
NCBI Official Symbol	PAPPA2
NCBI Official Synonym Symbols	PAPPE; PLAC3; PAPP-E; PAPP-A2
NCBI Protein Information	pappalysin-2; placenta-specific 3; pregnancy-associated plasma protein E1; pregnancy-associated plasma preproprotein-A2
UniProt Protein Name	Pappalysin-2
UniProt Gene Name	PAPPA2
UniProt Synonym Gene Names	PLAC3; PAPP-A2; PAPP-E
UniProt Entry Name	PAPP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/plac3-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/39750>