

Rabbit PLAC1 Polyclonal Antibody | anti-PLAC1 antibody

Rabbit anti PLAC1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14074	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot, Immunoprecipitation

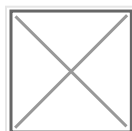
PRODUCT SYNONYMS

PLAC1; Polyclonal Antibody; Rabbit anti PLAC1 Polyclonal Antibody; placenta-specific protein 1; anti-PLAC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody recognizes ~22 kDa of PLAC1 protein. It cross-reacts to human, rat and mouse. The other species are not tested.
Purity/Purification	The Rabbit IgG is purified by Epitope Affinity Purification.
Form/Format	Supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Applicable Applications for anti-PLAC1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot), IP (Immunoprecipitation)
Application Notes	WB: 0.1-1 ug/ml EIA: 0.01-0.1 ug/ml IP: 2-5ug/mL IHC: 2-10 ug/ml Optimal dilutions should be determined by researchers for the specific applications.
Preparation	A synthetic peptide corresponding to the C-terminus of mouse PLAC1 protein (from 145aa-175aa). This sequence is identical to human, rat and mouse.
Positive Control	Kidney Tissue
Cellular location	Cell Membrane
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C to 8 degree C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



WB (Western Blot)

The cell lysate derived HepG2 was in 12% SDS-PAGE, transferred onto NC membrane, and immunoblotted by Rabbit anti PLAC1 (AAA14074) at 1:500. An immunoreactive major band was observed at ~22 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PLAC1 antibody	The PLAC1, a placenta-specific gene, which encodes a putative cell surface protein, is highly expressed in placenta, testis, cancer cell lines and lung tumors. PLAC1 is exclusively expressed by cells of trophoblastic lineage in the mouse, and maps to a region of the X-chromosome known to be important in placenta growth. PLAC1 is also expressed in human hepatocellular cancer tissues as well as in several other types of cancer tissues and/or tumor cell lines. PLAC1 represents a new class of tumor associated antigen with restricted expression in placenta and cancer tissues, that may serve as a target for cancer vaccination.
References	Dong XY, et al. Plac1 is a tumor-specific antigen capable of eliciting spontaneous antibody responses in human cancer patients. Int J Cancer. 122 (9):2038-43 (2008).

NCBI AND UNIPROT INFORMATION

NCBI GI #	946715094
NCBI GeneID	10761
NCBI Accession #	NP_001303817.1
NCBI GenBank Nucleotide #	NM_001316888.1
UniProt Accession #	Q9HBJ0
Molecular Weight	36.0
NCBI Official Full Name	placenta-specific protein 1
NCBI Official Synonym Full Names	placenta specific 1
NCBI Official Symbol	PLAC1
NCBI Official Synonym Symbols	CT92; OOSP2L
NCBI Protein Information	placenta-specific protein 1
UniProt Protein Name	Placenta-specific protein 1
UniProt Gene Name	PLAC1

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/plac1-antibody-immunohistochemistry-western-blot-immunoprecipitation-elisa/14074>