

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for TA354855

PLAC1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 μg/ml ELISA 0.01-0.1 μg/ml IP 2-5 μg/ml IHC 2-10 μg/ml FC 5-10 μg/ml
Reactivity:	Human
Host:	Rabbit
lsotype:	lgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to the phosphorylation site at Serine 156 surrounding the epitope -LSQSSQRP- of human Placenta-specific 1 protein. This sequence is derived from human origin.
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	~22 kDa
Gene Name:	placenta specific 1
Database Link:	<u>NP_068568</u> <u>Entrez Gene 10761 Human</u> <u>Q9HBJ0</u>



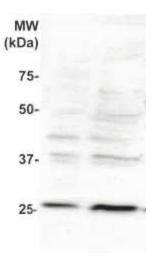
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PLAC1 Rabbit Polyclonal Antibody – TA354855

Background:The PLAC1, a placenta-specific gene, which encodes a putative cell surface protein, is highly
expressed in placenta, testis, and wide range of human malignancies, most frequently in
breast cancer, and essentially involved in cancer cells proliferation, migration and invasion.
The activation of PLAC1 is selectively controlled by ubiquitous transcription factor SP1 and
positively correlated between PLAC1 and ER-alpha in breast cancer. 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.

Synonyms:	CT92; OOSP2L
Protein Families:	Secreted Protein

Product images:



WB: The cell lysate derived MCF-7 treated by 100 nM E2 (sigma) for 12 hr, followed by separation onto 12% SDS-PAGE, transferred onto NC membrane, and immunoblotted by Rabbit anti-Phosphospecific PLAC1 (pS156) at 1:500. An immunoreactive major band was observed at ~22 kDa.

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