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# **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>



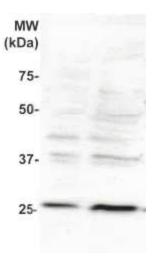
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#### **PLAC1** Rabbit Polyclonal Antibody – TA354855

Background:The PLAC1, a placenta-specific gene, which encodes a putative cell surface protein, is highly<br/>expressed in placenta, testis, and wide range of human malignancies, most frequently in<br/>breast cancer, and essentially involved in cancer cells proliferation, migration and invasion.<br/>The activation of PLAC1 is selectively controlled by ubiquitous transcription factor SP1 and<br/>positively correlated between PLAC1 and ER-alpha in breast cancer. PLAC1 is also expressed<br/>in human hepatocellular cancer tissues as well as in several other types of cancer tissues<br/>and/or tumor cell lines. PLAC1 represents a new class of tumor associated antigen with<br/>restricted expression in placenta and cancer tissues, that may serve as a target for cancer<br/>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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