Rabbit anti PLAC1(pS156) Polyclonal Antibody

Alternative Name(s): placenta-specific 1

Order Information

- **Description:** PLAC1(pS156)
- **Catalogue:** 620-420
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION

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.

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.

PURIFICATION

The Rabbit IgG is purified by site-modified Epitope Affinity Purification.

FORMULATION

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~22 kDa of PLAC1 protein at a phosphorylation site Serine 156. It cross-reacts to human, not the other species.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 38.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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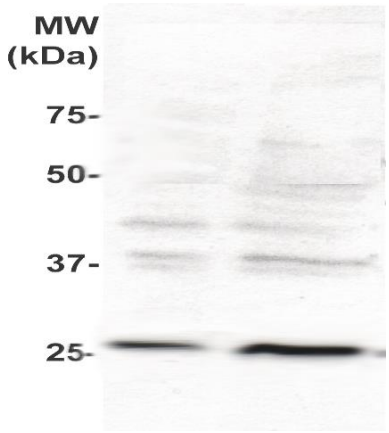
DATA ATTACHMENTS



Western Blot: 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) (Cat#620-420) at 1:500. An immunoreactive major band was observed at ~22 kDa.

REFERENCES

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