

PHLDA2 / IPL Antibody (C-Term)

Peptide-affinity purified goat antibody Catalog # AF2385a

Specification

PHLDA2 / IPL Antibody (C-Term) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Concentration Isotype Calculated MW

IHC, E <u>Q53GA4</u> <u>NP_003302.1</u>, <u>7262</u> Human Goat Polyclonal 0.5 mg/ml IgG 17092

PHLDA2 / IPL Antibody (C-Term) - Additional Information

Gene ID 7262

Other Names

Pleckstrin homology-like domain family A member 2, Beckwith-Wiedemann syndrome chromosomal region 1 candidate gene C protein, Imprinted in placenta and liver protein, Tumor-suppressing STF cDNA 3 protein, Tumor-suppressing subchromosomal transferable fragment candidate gene 3 protein, p17-Beckwith-Wiedemann region 1 C, p17-BWR1C, PHLDA2, BWR1C, HLDA2, IPL, TSSC3

Dilution IHC~~1:100~500 E~~N/A

Format 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions PHLDA2 / IPL Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

PHLDA2 / IPL Antibody (C-Term) - Protein Information

Name PHLDA2

Synonyms BWR1C, HLDA2, IPL, TSSC3



Function

Plays a role in regulating placenta growth. May act via its PH domain that competes with other PH domain-containing proteins, thereby preventing their binding to membrane lipids (By similarity).

Cellular Location

Cytoplasm. Membrane; Peripheral membrane protein

Tissue Location

Expressed in placenta and adult prostate gland. In placenta, it is present in all cells of the villous cytotrophoblast The protein is absent in cells from hydatidiform moles. Hydatidiform mole is a gestation characterized by abnormal development of both fetus and trophoblast. The majority of hydatidiform moles are associated with an excess of paternal to maternal genomes and are likely to result from the abnormal expression of imprinted genes (at protein level) Expressed at low levels in adult liver and lung, and fetal liver Expressed in adult brain and neuroblastoma, medullablastoma and glioblastoma cell lines.

PHLDA2 / IPL Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

PHLDA2 / IPL Antibody (C-Term) - Images



AF2385a (3.8 μ g/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

PHLDA2 / IPL Antibody (C-Term) - References

The IPL gene on chromosome 11p15.5 is imprinted in humans and mice and is similar to TDAG51, implicated in Fas expression and apoptosis. Qian N, Frank D, O'Keefe D, Dao D, Zhao L, Yuan L, Wang Q, Keating M, Walsh C, Tycko B. Hum Mol Genet. 1997 Nov;6(12):2021-9. PMID: 9328465