

PHLDA2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14504b**Specification**

PHLDA2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q53GA4](#)**PHLDA2 Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PHLDA2 Antibody (C-term) Blocking Peptide - 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 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PHLDA2 Antibody (C-term) Blocking Peptide - Images

PHLDA2 Antibody (C-term) Blocking Peptide - Background

This gene is located in a cluster of imprinted genes on chromosome 11p15.5, which is considered to be an important tumor suppressor gene region. Alterations in this region may be associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. This gene has been shown to be imprinted, with preferential expression from the maternal allele in placenta and liver.

PHLDA2 Antibody (C-term) Blocking Peptide - References

O'Seaghdha, C.M., et al. Hum. Mol. Genet. 19(21):4296-4303(2010) Edenberg, H.J., et al. Alcohol. Clin. Exp. Res. 34(5):840-852(2010) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Tang, K.F., et al. Biochim. Biophys. Acta 1770(5):820-825(2007) Bertheau, P., et al. PLoS Med. 4 (3), E90 (2007) :