

**PCDHB10 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11699b**

**Specification**

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**PCDHB10 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [Q9UN67](#)

**PCDHB10 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 56126

**Other Names**

Protocadherin beta-10, PCDH-beta-10, PCDHB10

**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.

**PCDHB10 Antibody (C-term) Blocking peptide - Protein Information**

**Name** PCDHB10

**Function**

Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein

**PCDHB10 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**PCDHB10 Antibody (C-term) Blocking peptide - Images**

**PCDHB10 Antibody (C-term) Blocking peptide - Background**

This gene encodes glutamate dehydrogenase protein; amitochondrial matrix enzyme that

catalyzes the oxidative deamination of glutamate to alpha-ketoglutarate and ammonia. This enzyme has an important role in regulating amino acid induced insulin secretion and activating mutations in this gene are a common cause of congenital hyperinsulinism. This enzyme is allosterically activated by ADP and inhibited by GTP and ATP. The related glutamate dehydrogenase 2 gene on the human X-chromosome originated from this gene via retrotransposition and encodes a soluble form of glutamate dehydrogenase. Multiple pseudogenes of this gene are present in humans.

#### **PCDHB10 Antibody (C-term) Blocking peptide - References**

Martins-de-Souza, D., et al. J Psychiatr Res 44(14):989-991(2010) Jia, P., et al. Schizophr. Res. 122 (1-3), 38-42 (2010) Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010) Flanagan, S.E., et al. Eur. J. Endocrinol. 162(5):987-992(2010) Bao, X., et al. J. Neurosci. 29(44):13929-13944(2009)