

**WWC1 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10740a****Specification**

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**WWC1 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q8IX03](#)**WWC1 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 23286**Other Names**

Protein KIBRA, HBeAg-binding protein 3, Kidney and brain protein, KIBRA, WW domain-containing protein 1, WWC1, KIAA0869

**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.

**WWC1 Antibody (N-term) Blocking peptide - Protein Information****Name** WWC1**Synonyms** KIAA0869**Function**

Negative regulator of the Hippo signaling pathway, also known as the Salvador-Warts-Hippo (SWH) pathway (PubMed:<[a href="http://www.uniprot.org/citations/24682284" target="\\_blank">24682284](http://www.uniprot.org/citations/24682284)</a>). Enhances phosphorylation of LATS1 and YAP1 and negatively regulates cell proliferation and organ growth due to a suppression of the transcriptional activity of YAP1, the major effector of the Hippo pathway (PubMed:<[a href="http://www.uniprot.org/citations/24682284" target="\\_blank">24682284](http://www.uniprot.org/citations/24682284)</a>). Along with NF2 can synergistically induce the phosphorylation of LATS1 and LATS2 and function in the regulation of Hippo signaling pathway (PubMed:<[a href="http://www.uniprot.org/citations/20159598" target="\\_blank">20159598](http://www.uniprot.org/citations/20159598)</a>). Acts as a transcriptional coactivator of ESR1 which plays an essential role in DYNLL1-mediated ESR1 transactivation (PubMed:<[a href="http://www.uniprot.org/citations/16684779" target="\\_blank">16684779](http://www.uniprot.org/citations/16684779)</a>). Regulates collagen-stimulated activation of the ERK/MAPK cascade (PubMed:<[a href="http://www.uniprot.org/citations/18190796" target="\\_blank">18190796](http://www.uniprot.org/citations/18190796)</a>). Modulates directional migration of podocytes (PubMed:<[a href="http://www.uniprot.org/citations/18596123" target="\\_blank">18596123](http://www.uniprot.org/citations/18596123)</a>). Plays a role

in cognition and memory performance (PubMed:<a href="http://www.uniprot.org/citations/18672031" target="\_blank">18672031</a>). Plays an important role in regulating AMPA-selective glutamate receptors (AMPA-Rs) trafficking underlying synaptic plasticity and learning (By similarity).

#### **Cellular Location**

Cytoplasm. Cytoplasm, perinuclear region. Nucleus. Cell projection, ruffle membrane. Cytoplasm, cytosol. Note=Colocalizes with PRKCZ in the perinuclear region

#### **Tissue Location**

Expressed in mammary epithelial cells and breast cancer cell lines. Found in the luminal epithelium surrounding the ducts in the normal breast. In the brain, expressed in somatodendritic compartment of neurons in the cortex and hippocampus and in the cerebellum it is found in the Purkinje cells and some granule cells (at protein level). Detected in brain, heart, colon and kidney. In the kidney, expressed in glomerular podocytes, in some tubules and in the collecting duct.

### **WWC1 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **WWC1 Antibody (N-term) Blocking peptide - Images**

### **WWC1 Antibody (N-term) Blocking peptide - Background**

The protein encoded by this gene is a cytoplasmic phosphoprotein that interacts with PRKC-zeta and dynein lightchain-1. Alleles of this gene have been found that enhance memory in some individuals. Three transcript variants encoding different isoforms have been found for this gene.

### **WWC1 Antibody (N-term) Blocking peptide - References**

Yasuda, Y., et al. World J. Biol. Psychiatry 11(7):852-857(2010)Vassos, E., et al. J Psychiatr Res 44(12):795-798(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Cirulli, E.T., et al. Eur. J. Hum. Genet. 18(7):815-820(2010)Galecki, P., et al. Neuro Endocrinol. Lett. 31(1):97-102(2010)