



# Mouse Anti-Human VWC2 monoclonal antibody, clone NN19 (CABT-ZB550)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Human VWC2
<b>Target</b>	VWC2
<b>Immunogen</b>	Recombinant Human VWC2 Protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	NN19
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB550 - CABT-ZB912 This antibody will detect VWC2 in antibody pair set. [ABPR-ZB126]
<b>Preparation</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human VWC2. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific

<b>Size</b>	50 $\mu$ L, 100 $\mu$ L, 200 $\mu$ L, 1 mL
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction** Brorin, also known as brain-specific chordin-like protein, von Willebrand factor C domain-containing protein 2 and VWC2, is a secreted protein that contains two VWFC domains. VWC2/Brorin is a BMP antagonist that may play a role in neural development. It promotes cell adhesion. VWC2/Brorin is a unique member of the chordin family. It inhibited the activity of bone morphogenetic protein 2 (BMP2) and BMP6 in mouse preosteoblastic MC3T3-E1 cells. Mouse Brorin was predominantly expressed in neural tissues in embryos and also predominantly expressed in the adult brain. In the brain, the expression was detected in neurons, but not glial cells. The neural tissue-specific expression profile of Brorin is quite distinct from that of any other member of the Chordin family. VWC2/Brorin protein promoted neurogenesis, but not astrogenesis, in mouse neural precursor cells. VWC2/Brorin is a novel secreted BMP antagonist that potentially plays roles in neural development and functions.

**Keywords** VWC2; UNQ739; PSST739; Brorin

## GENE INFORMATION

**Synonyms** VWC2; UNQ739; PSST739; Brorin

**Entrez Gene ID** [375567](#)

**UniProt ID** [Q2TAL6](#)