

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Brorin/VWC2 in direct ELISAs and Western blots. In direct ELISAs, approximately 100% cross-reactivity with recombinant human Brorin/VWC2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Brorin/VWC2 Ser28-Met324 Accession # Q8C8N3
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Mouse VWC2 (von Willebrand Factor C domain-containing protein 2; also Brorin and cradin) is a secreted, 35 kDa (predicted) member of the chordin family of proteins. It is expressed in the choroid plexus and by neurons in multiple sites, and serves to sequester BMP family proteins such as BMP-2 and BMP-6. BMP antagonism is suggested to generate neurons from neural precursor cells at the expense of astrocytes. Mouse VWC2 precursor is 324 amino acids (aa) in length. It contains a 27 aa signal sequence, one poly-Ala region (aa 124-129), and two von Willebrand factor C domains (aa 152-211 and 215-273) that likely serve as BMP interaction sites. Over aa 28-324, mouse VWC2 shares 90% aa identity with human VWC2.

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