

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human Preso/FRMPD4 in direct ELISAs and human and mouse Preso/FRMPD4 in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 809408
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Preso/FRMPD4 Asn890-Ser1022 Accession # Q14CM0
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

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

Preso, also known as FRMPD4 and PDZD10, is a scaffolding protein that is widely expressed in the brain as 140 kDa and 170 kDa species. It contains one WW domain (aa 33-66) one PDZ domain (aa 78-155), and one FERM domain (aa 204-519). The 140 kDa species is enriched in post-synaptic densities where it interacts with PSD-95, SAP97, SAP102, and F-actin. Preso promotes dendritic spine extension and maintenance as well as excitatory synaptic transmission. Within aa 890-1022, human Preso shares approximately 94% aa sequence identity with mouse and rat Preso.

PRODUCT SPECIFIC NOTICES

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