

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PP2Cγ.
Source	Monoclonal Mouse IgG ₁ Clone # 528322
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PP2Cγ Met1-Asp546 Accession # O15355
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

Protein phosphatase 2C isoform gamma (PP2C gamma; also PPM1G) is a widely expressed, 75 kDa member of the PP2C family of Ser/Thr protein phosphatases. Human PP2C gamma is 546 amino acids (aa) in length. The apparent mass is much larger than the predicted mass of 59 kDa because of the presence of an acidic region (aa 259-326) rich in glutamate and aspartate residues, causing the protein to move anomalously on SDS-PAGE. The protein contains numerous sites for phosphorylation by casein kinase II, particularly within the acidic domain.

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