

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat PPP2R4 in Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 529245
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PPP2R4 Glu14-Asn323 Accession # Q15257
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.

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

PPP2R4, also known as serine/threonine protein phosphatase 2A regulatory subunit B', PR53 isoform, and PTPA, is a widely expressed member of the PTPA-type peptidyl prolyl isomerase family. Human PPP2R4 is 358 amino acids (aa) in length. Three splicing variants produce four isoforms for PPP2R4, and isoform 2 is the standard protein. Isoform 1, isoform 3 and isoform 4 have deletions corresponding to aa 73-107, 45-108, and 73-149 in isoform 2, respectively. Human PPP2R4 is 87% aa identical to mouse and rabbit PPP2R4. PPP2R4 reversibly stimulates the variable phosphotyrosyl phosphatase activity of the PP2A core heterodimer in the presence of ATP and Mg²⁺. It has been shown that p53 downregulates the expression of PPP2R4.

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