Human PP2Cγ Alexa Fluor® 750-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5595S
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human PP2Cγ in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human PP2Cγ Met1-Asp546 Accession # O15355
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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

PP2Cγ (Protein phosphatase 2C gamma; also PPM1G) is a nuclear member of the metal ion-dependent PP2C family of Ser/Thr protein phosphatases. Although its predicted MW is 59 kDa, it runs anomalously at 72-75 kDa in SDS-PAGE. PP2Cγ is widely expressed and serves as a negative regulator of the cell stress response. In particular, it dephosphorylates histones H2A and H2B, allowing for their placement into chromatin. This is important when histones are reincorporated into DNA following DNA repair. Human PP2Cγ is 546 amino acids (aa) in length. It contains a catalytic domain (aa 27-120), an Asp/Glu-rich region (aa 258-326) and a poly-Lys tail (aa 539-544). One potential splice form shows a Phe substitution for aa 20-38.

PRODUCT SPECIFIC NOTICES

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