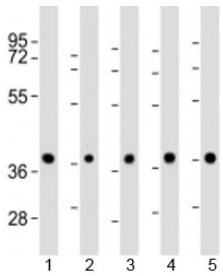
PPP2R4 Antibody / Protein Phosphatase 2A (F53899)

Catalog No.	Formulation	Size
F53899-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53899-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q15257
Applications	Western Blot : 1:1000-2000
Limitations	This PPP2R4 antibody is available for research use only.



Western blot testing of 1) mouse BA/F3 cell lysate and human 2) HeLa, 3) K562, 4) MCF-7 and 5) Raji cell lysate with PPP2R4 antibody at 1:2000. Expected molecular weight: 37/41/33/32 kDa (alpha/beta/delta/epsilon isoforms).

Description

PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Acts as a regulatory subunit for serine/threonine- protein phosphatase 2A (PP2A) modulating its activity or substrate specificity, probably by inducing a conformational change in the catalytic subunit, a proposed direct target of the PPIase. Can reactivate inactive phosphatase PP2A-phosphatase methylesterase complexes (PP2A(i)) in presence of ATP and Mg(2+) (By similarity). Reversibly stimulates the variable phosphotyrosyl phosphatase activity of PP2A core heterodimer PP2A(D) in presence of ATP and Mg(2+) (in vitro). The phosphotyrosyl phosphatase activity is dependent of an ATPase activity of the PP2A(D):PPP2R4 complex. Is involved in apoptosis; the function appears to be independent from PP2A.

Application Notes

Titration of the PPP2R4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 3-35 from the human protein was used as the immunogen for the PPP2R4 antibody.

Storage

Aliquot the PPP2R4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.