

Summary

Production Name	KEPI Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	PPP1R14C PPP1R14C; KEPI; Protein phosphatase 1 regulatory subunit 14C; Kinase-enhanced PP1 inhibitor; PKC-potentiated PP1 inhibitory protein; Serologically defined breast cancer antigen NY-BR-81
Alternative Names	
Gene ID	81706.0
SwissProt ID	Q8TAE6.The antiserum was produced against synthesized peptide derived from human PPP1R14C. AA range:51-100

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:20000
Molecular Weight	20kD

Product Name: KEPI Rabbit Polyclonal Antibody
Catalog #: APRab12978

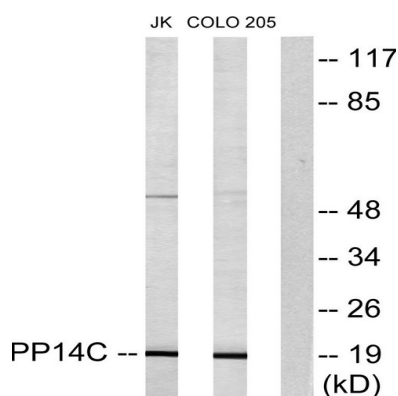


Background

The degree of protein phosphorylation is regulated by a balance of protein kinase and phosphatase activities. Protein phosphatase-1 (PP1; see MIM 176875) is a signal-transducing phosphatase that influences neuronal activity, protein synthesis, metabolism, muscle contraction, and cell division. PPP1R14C is an inhibitor of PP1 (Liu et al., 2002 [PubMed 11812771]).[supplied by OMIM, Feb 2010],function:Inhibitor of PPP1CA. Has over 600-fold higher inhibitory activity when phosphorylated, creating a molecular switch for regulating the phosphorylation status of PPP1CA substrates and smooth muscle contraction.,similarity:Belongs to the PP1 inhibitor family.,tissue specificity:Detected in breast cancer.,

Research Area

Image Data



Western blot analysis of lysates from Jurkat and COLO205 cells, using PPP1R14C Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using KEPI Polyclonal Antibody diluted at 1: 1000

Note

For research use only.

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