



KEPI Polyclonal Antibody

Catalog No	YP-Ab-14807
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	PPP1R14C
Immunogen	The antiserum was produced against synthesized peptide derived from human PPP1R14C. AA range:51-100
Specificity	KEPI Polyclonal Antibody detects endogenous levels of KEPI protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CPI17 like;KEPI;Kinase enhanced PP1 inhibitor;NY BR 81;PPP1R14C;Protein phosphatase 1 regulatory subunit 14C;Kinase-enhanced PP1 inhibitor;PKC-potentiated PP1 inhibitory protein;Serologically defined breast cancer antigen NY-BR-81
Observed Band	20kD
Calculated Molecular Weight	20kD
Cell Pathway	Cytoplasm . Membrane ; Peripheral membrane protein .
Tissue Specificity	Detected in breast cancer.
Function	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.,

**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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



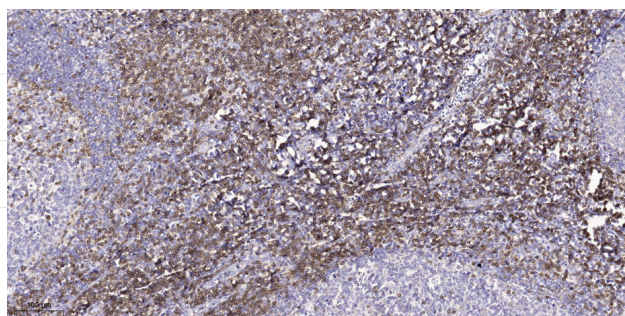
Products Images



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



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



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).