

ARG40789 anti-CDK14 / PFTK1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CDK14 / PFTK1
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CDK14 / PFTK1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 67-96 of Human CDK14 / PFTK1.
Conjugation	Un-conjugated
Alternate Names	PFTK1; Cell division protein kinase 14; hPFTK1; EC 2.7.11.22; Cyclin-dependent kinase 14; PFTK1; Serine/threonine-protein kinase PFTK1-1

Application Instructions

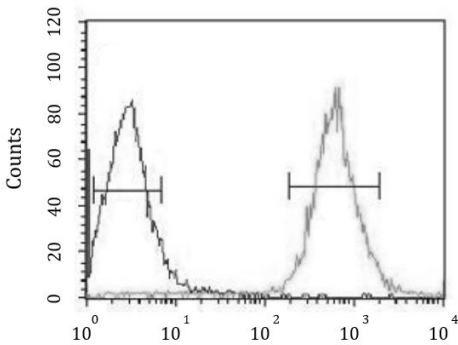
Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	1:50 - 1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

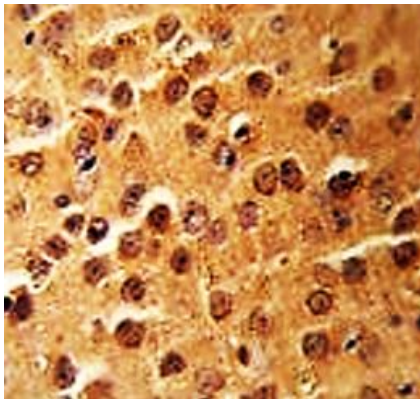
Gene Symbol	CDK14
Gene Full Name	cyclin-dependent kinase 14
Background	PFTK1 is a member of the CDC2 (MIM 116940)-related protein kinase family (Yang and Chen, 2001 [PubMed 11313143]).[supplied by OMIM, Mar 2008]
Function	Serine/threonine-protein kinase involved in the control of the eukaryotic cell cycle, whose activity is controlled by an associated cyclin. Acts as a cell-cycle regulator of Wnt signaling pathway during G2/M phase by mediating the phosphorylation of LRP6 at 'Ser-1490', leading to the activation of the Wnt signaling pathway. Acts as a regulator of cell cycle progression and cell proliferation via its interaction with CCN3. Phosphorylates RB1 in vitro, however the relevance of such result remains to be confirmed in vivo. May also play a role in meiosis, neuron differentiation and may indirectly act as a negative regulator of insulin-responsive glucose transport. [UniProt]
Calculated Mw	53 kDa
Cellular Localization	Cell membrane; Peripheral membrane protein. Cytoplasm. Nucleus. Note=Recruited to the cell membrane by CCNY. [UniProt]

Images



ARG40789 anti-CDK14 / PFTK1 antibody FACS image

Flow Cytometry: HepG2 cells stained with ARG40789 anti-CDK14 / PFTK1 antibody (right histogram) or without primary antibody as control (left histogram), followed by incubation with FITC labelled secondary antibody.

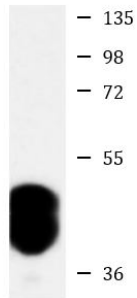


ARG40789 anti-CDK14 / PFTK1 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human brain tissue stained with ARG40789 anti-CDK14 / PFTK1 antibody.

ARG40789 anti-CDK14 / PFTK1 antibody WB image

Western blot: 35 µg of Human brain lysate stained with ARG40789 anti-CDK14 / PFTK1 antibody at 1:1000 dilution.



Human brain