

Rabbit PFTK1 Polyclonal Antibody | anti-CDK14 antibody

PFTK1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286100	Rabbit	Human, mouse (Predicted Reactivity: Rabbit)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

PFTK1; Polyclonal Antibody; PFTK1 Antibody (N-term); Cyclin-dependent kinase 14; Cell division protein kinase 14; Serine/threonine-protein kinase PFTAIR-1; hPFTAIR-1; CDK14; KIAA0834; anti-CDK14 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rabbit)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PFTK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PFTK1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.47 (varies by lot)
Sequence Positions	1-30
Sequence Length	423
Applicable Applications for anti-CDK14 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human testis tissue reacted with PFTK1 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of PFTK1 antibody (N-term) in mouse cerebellum tissue lysates (35ug/lane). PFTK1 (arrow) was detected using the purified Pab.

**WB (Western Blot)**

Western blot analysis of lysates from Hela cell line, human brain and mouse cerebellum tissue lysate (from left to right), using PFTK1 Antibody (N-term). AAA286100 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

**WB (Western Blot)**

Western blot analysis of lysate from human brain tissue lysate, using PFTK1 Antibody (N-term). AAA286100 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK14 antibody	PFTK1, a member of the CDC2/CDKX subfamily of Ser/Thr protein kinases, may play a role in meiosis as well as in neuron differentiation and/or function. It is highly expressed in brain, pancreas, kidney, heart, testis and ovary, and also detected at lower levels in other tissues except in spleen and thymus where expression is minimal.
Product Categories/Family for anti-CDK14 antibody	Cancer ; Cell Biology ; Signal transduction
References	Yang, T., et al., Gene 267(2):165-172 (2001). Nagase, T., et al., DNA Res. 5(6):355-364 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912584
NCBI GeneID	5218
NCBI Accession #	NP_036527.1
NCBI GenBank Nucleotide #	NM_012395.3
UniProt Accession #	O94921 ; Q75N06 ; Q75N22 ; Q8N764 ; Q9H3D7 ; Q9UDR0 ; A4D1E6 ; A6NK51 ; A8WFP6 ; B4DHG5 ; B4DNM2
Molecular Weight	53057
NCBI Official Full Name	cyclin-dependent kinase 14 isoform b
NCBI Official Synonym Full Names	cyclin-dependent kinase 14
NCBI Official Symbol	CDK14
NCBI Official Synonym Symbols	PFTK1; PFTAIRE1
NCBI Protein Information	cyclin-dependent kinase 14
UniProt Protein Name	Cyclin-dependent kinase 14
UniProt Gene Name	CDK14
UniProt Synonym Gene Names	KIAA0834; PFTK1; hPFTAIRE1
UniProt Entry Name	CDK14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pftk1-antibody-immunohistochemistry-western-blot-elisa/286100>