

Rabbit PCTAIRE1/CDK16 Polyclonal Antibody | anti-CDK16 antibody

Anti-PCTAIRE1/CDK16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125483	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PCTAIRE1/CDK16; Polyclonal Antibody; Anti-PCTAIRE1/CDK16 Antibody; Cyclin-dependent kinase 16 (EC:2.7.11.22); Cell division protein kinase 16; PCTAIRE-motif protein kinase 1; Serine/threonine-protein kinase PCTAIRE-1; CDK16; PCTAIRE1; PCTK1; anti-CDK16 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	496
Applicable Applications for anti-CDK16 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human PCTAIRE1/CDK16 recombinant protein (Position: N392-H443).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

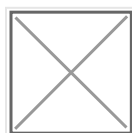


WB (Western Blot)

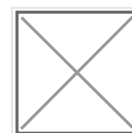
Figure 1. Western blot analysis of CDK16 using anti-CDK16 antibody.



IHC (Immunohistochemistry)



FCM/FACS (Flow Cytometry)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-CDK16 antibody	Description: Rabbit IgG polyclonal antibody for PCTAIRE1/CDK16 detection. Tested with WB, IHC-P, FCM, Direct ELISA in Human; Mouse; Rat. Background: Cyclin-dependent kinase 16 is a protein that in humans is encoded by the CDK16 gene. This gene is mapped to Xp11.3. The protein encoded by this gene belongs to the cdc2/cdkx subfamily of the ser/thr family of protein kinases. It may play a role in signal transduction cascades in terminally differentiated cells; in exocytosis; and in transport of secretory cargo from the endoplasmic reticulum. This gene is thought to escape X inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms.
References	1. Knight, J. C., Renwick, P. J., Downing, J. R., Okuda, T. Physical linkage of the cdc2-related gene (PCTK1) and the ubiquitin-activating enzyme E1 gene (UBE1) on human Xp11.3. Cytogenet. Cell Genet. 71: 155-157, 1995. 2. Meyerson, M., Enders, G. H., Wu, C.-L., Su, L.-K., Gorka, C., Nelson, C., Harlow, E., Tsai, L.-H. A family of human cdc2-related protein kinases. EMBO J. 11: 2909-2917, 1992. 3. Okuda, T., Cleveland, J. L., Downing, J. R. PCTAIRE-1 and PCTAIRE-3, two members of a novel cdc2/CDC28-related protein kinase gene family. Oncogene 7: 2249-2258, 1992.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453860
NCBI GeneID	5127
NCBI Accession #	NP_006192
NCBI GenBank Nucleotide #	NP_006192.1
UniProt Accession #	Q00536
NCBI Official Full Name	cyclin-dependent kinase 16 isoform 1
NCBI Official Synonym Full Names	cyclin dependent kinase 16
NCBI Official Symbol	CDK16
NCBI Official Synonym Symbols	PCTK1; PCTAIRE; PCTAIRE1; PCTGAIRE
NCBI Protein Information	cyclin-dependent kinase 16
UniProt Protein Name	Cyclin-dependent kinase 16
UniProt Gene Name	CDK16
UniProt Synonym Gene Names	PCTAIRE1; PCTK1

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.