antibodies - online.com







anti-CDK1 antibody (AA 208-258)

Images

Publications



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Quantity:	100 μL
Target:	CDK1
Binding Specificity:	AA 208-258
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 208-258 of human CDK1 (NP_001777.1).
Sequence:	SEIDQLFRIF RALGTPNNEV WPEVESLQDY KNTFPKWKPG SLASHVKNLD E
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CDK1
Alternative Name:	CDK1 (CDK1 Products)
Background:	The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein
	is a catalytic subunit of the highly conserved protein kinase complex known as M-phase
	promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic
	cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits.
	The kinase activity of this protein is controlled by cyclin accumulation and destruction through
	the cell cycle. The phosphorylation and dephosphorylation of this protein also play important
	regulatory roles in cell cycle control. Alternatively spliced transcript variants encoding different
	isoforms have been found for this gene.,CDK1,CDC2,CDC28A,P34CDC2,Epigenetics & Nuclear
	Signaling,Signal Transduction,G protein signaling,Kinase,Serine/threonine kinases,ErbB-HER
	Signaling Pathway, Cell Biology & Developmental Biology, Apoptosis, Cell
	Cycle,Centrosome,G2/M DNA Damage Checkpoint,Microtubules,Immunology &
	Inflammation,Neuroscience,Neurodegenerative Diseases,CDK1
Molecular Weight:	27 kDa/34 kDa
Gene ID:	983
UniProt:	P06493
Pathways:	Cell Division Cycle, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway,
	Activation of Innate immune Response, Mitotic G1-G1/S Phases, DNA Replication, M Phase,
	Toll-Like Receptors Cascades, Synthesis of DNA

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:200,IP,1:50 - 1:200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

Handling

Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

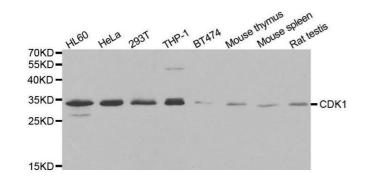
Publications

Product cited in:

Wu, Zhang, Qi, Zhang, Li, Li, Lin, Bai, Liu, Chen, Yang, Xu, Zhang, Yang: "Nicotine promotes atherosclerosis via ROS-NLRP3-mediated endothelial cell pyroptosis." in: **Cell death & disease**, Vol. 9, Issue 2, pp. 171, (2018) (PubMed).

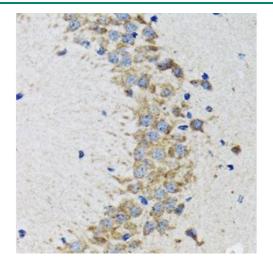
Du, Qiao, Chen, Chen, Liu, Lin, Wang, Xie: "Toll-Like Receptor 4 Mediates Methamphetamine-Induced Neuroinflammation through Caspase-11 Signaling Pathway in Astrocytes." in: **Frontiers in molecular neuroscience**, Vol. 10, pp. 409, (2017) (PubMed).

Images



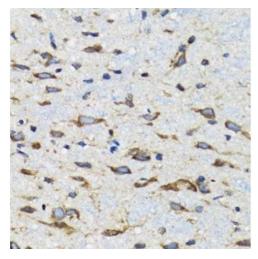
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CDK1 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded rat brain using CDK1 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded mouse spinal cord using CDK1 antibody.

Please check the product details page for more images. Overall 5 images are available for ABIN3020707.