

Rabbit CDK20 Polyclonal Antibody | anti-CDK20 antibody

CDK20 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326803	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CDK20; Polyclonal Antibody; CDK20 Antibody; CAK kinase p42; CAK-kinase p42; CCRK; CDCH; CDK activating kinase p42; CDK-activating kinase p42; cdk20; CDK20_HUMAN; Cell cycle related kinase; Cell cycle-related kinase; Cell division protein kinase 20; Cyclin dependent protein kinase H; Cyclin kinase activating kinase p42; Cyclin-dependent kinase 20; Cyclin-dependent protein kinase H; Cyclin-kinase-activating kinase p42; p42; PNQALRE; anti-CDK20 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CDK20 antibody detects endogenous levels of total CDK20
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	346
Applicable Applications for anti-CDK20 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CDK20
Subcellular Location	Nucleus. Cytoplasm. Cell Projection > Cilium.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of HepG2, using CDK20 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326803 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA326803 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK20 antibody	Description: The protein encoded by this gene contains a kinase domain most closely related to the cyclin-dependent protein kinases. The encoded kinase may activate cyclin-dependent kinase 2 and is involved in cell growth. Alternatively spliced transcript variants encoding distinct isoforms have been reported. Function: Required for high-level Shh responses in the developing neural tube. Together with TBC1D32, controls the structure of the primary cilium by coordinating assembly of the ciliary membrane and axoneme, allowing GLI2 to be properly activated in response to SHH signaling (By similarity). Involved in cell growth. Activates CDK2, a kinase involved in the control of the cell cycle, by phosphorylating residue 'Thr-160'. Subunit Structure: Monomer. Interacts with TBC1D32 (By similarity). Interacts with MAK. Similarity: Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	89903018
NCBI GeneID	23552
NCBI Accession #	NP_001034892.1
NCBI GenBank Nucleotide #	NM_001039803.2
UniProt Accession #	Q8IZL9; O95137; Q5EDC4; Q5VYW1; Q9BUF4; A2A389; A2A390; B4DQX1
Molecular Weight	Observed: 31 kDa Predicted: 39 kDa
NCBI Official Full Name	cyclin-dependent kinase 20 isoform 3
NCBI Official Synonym Full Names	cyclin dependent kinase 20
NCBI Official Symbol	CDK20
NCBI Official Synonym Symbols	P42; CCRK; CDCH; PNQALRE
NCBI Protein Information	cyclin-dependent kinase 20
UniProt Protein Name	Cyclin-dependent kinase 20
UniProt Gene Name	CDK20
UniProt Synonym Gene Names	CCRK; CDCH; CAK-kinase p42

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
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