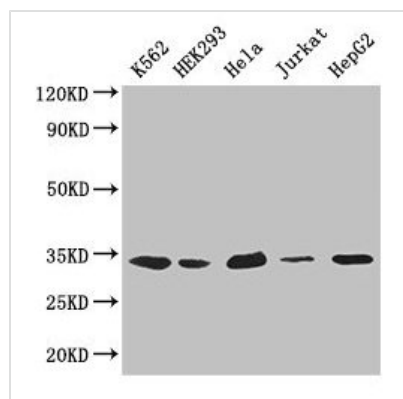




CDK2 Antibody

Product Code	CSB-PA005061LA01HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P24941
Immunogen	Recombinant Human Cyclin-dependent kinase 2 protein (1-298AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, IF, IP; Recommended dilution: WB:1:1000-1:5000, IHC:1:500-1:1000, IF:1:200-1:500, IP:1:200-1:2000
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	Cyclin-dependent kinase 2 (EC 2.7.11.22) (Cell division protein kinase 2) (p33 protein kinase), CDK2, CDKN2
Immunogen Species	Homo sapiens (Human)
Research Area	Cell Biology
Target Names	CDK2

Image

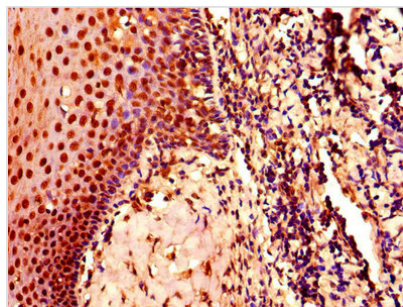


Western Blot

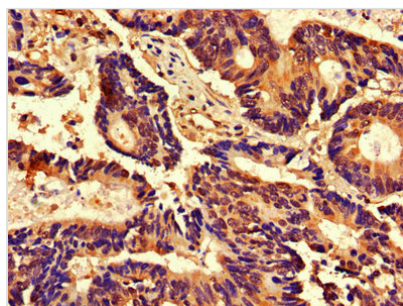
Positive WB detected in: K562 whole cell lysate, HEK293 whole cell lysate, HeLa whole cell lysate, Jurkat whole cell lysate, HepG2 whole cell lysate
All lanes: CDK2 antibody at 2.6µg/ml

Secondary

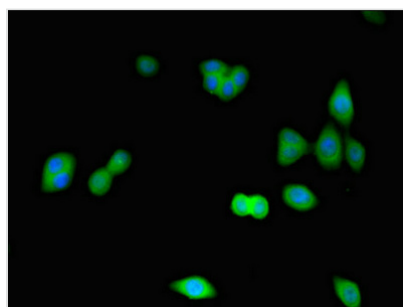
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 34, 31 kDa
Observed band size: 34 kDa



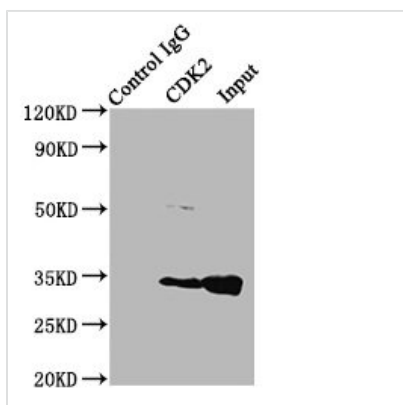
IHC image of CSB-PA005061LA01HU diluted at 1:800 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC image of CSB-PA005061LA01HU diluted at 1:800 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence staining of HepG2 cells with CSB-PA005061LA01HU at 1:266, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunoprecipitating CDK2 in HeLa whole cell lysate
 Lane 1: Rabbit control IgG (1μg) instead of CSB-PA005061LA01HU in HeLa whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/50000)
 Lane 2: CSB-PA005061LA01HU (4μg) + HeLa whole cell lysate (500μg)
 Lane 3: HeLa whole cell lysate (20μg)