Anti-Phospho-CDK1-T161 antibody (STJ22061)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/IP/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

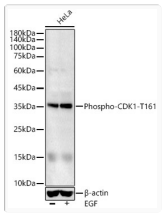
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:100-1:500 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specifi
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 34kDa Observed Mw: 34kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

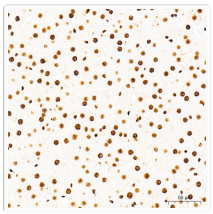
Gene ID	983
Gene Symbol	CDK1
UniProt ID	CDK1_HUMAN
Immunogen Sequence	VYTHE
Specificity	A synthetic phosphorylated peptide around T161 of human CDK1 (NP_001777.1).

ADDITIONAL INFORMATION

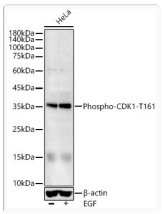
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



Western blot analysis of lysates from HeLa cells, using Phospho-CDK1-T161 Rabbit pAb (STJ22061) at 1:400 dilution. HeLa cells were treated by EGF.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution.
Lysates/proteins: 25 Mu g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using Phospho-CDK1-T161 Rabbit pAb (STJ22061) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0. 01M Citrate Bufferr (pH 6. 0) prior to immunohistochemistry staining.



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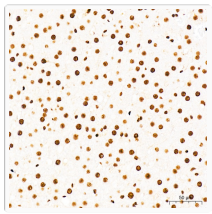

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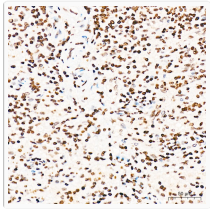
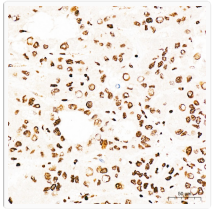
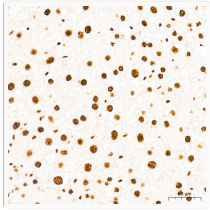


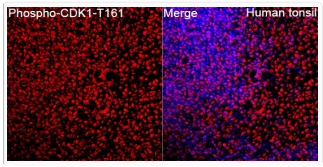
Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using Phospho-CDK1-T161 Rabbit pAb (STJ22061) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0. 01M Citrate Bufferr (pH 6. 0) prior to immunohistochemistry staining.



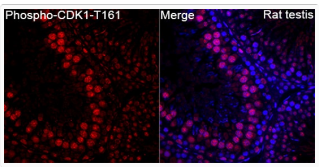
Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using Phospho-CDK1-T161 Rabbit pAb (STJ22061) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0. 01M Citrate Bufferr (pH 6. 0) prior to immunohistochemistry staining.



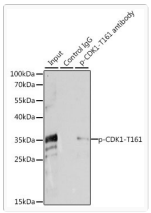
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Phospho-CDK1-T161 Rabbit pAb (STJ22061) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0. 01M Citrate Bufferr (pH 6. 0) prior to immunohistochemistry staining.



Immunofluorescence analysis of Human tonsil tissue using Phospho-CDK1-T161 Rabbit pAb (STJ22061) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0. 01M Citrate Buffer (pH 6. 0) prior to IF staining.



Immunofluorescence analysis of Rat testis tissue using Phospho-CDK1-T161 Rabbit pAb (STJ22061) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0. 01M Citrate Buffer (pH 6. 0) prior to IF staining.



Immunoprecipitation analysis of 200 Mu g extracts of HeLa cells, using 3 Mu g Phospho-CDK1-T161 pAb (STJ22061). Western blot was performed from the immunoprecipitate using Phospho-CDK1-T161 pAb (STJ22061) at a dilution of 1:1000. HeLa cells were treated by EGF (100 ng/mL) at 37C for 30 minutes after serum-starvation overnight.

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