

Anti-CDK4 antibody (200-303) (STJ23055)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

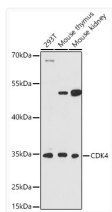
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/CC:1:50-1:200 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH7.3.
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

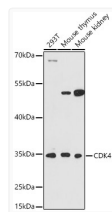
Gene ID	1019
Gene Symbol	CDK4
UniProt ID	CDK4_HUMAN
Immunogen Region	200-303
Immunogen Sequence	VGCIFAEMFRRKPLFCGNS EADQLGKIFDLIGLPPEDDWP RDVSLPRGAFPPRGRPVQS VVPEMEESGAQLLLEMLTFN PHKRISAFRALQHSYLHKDE GNPE
Specificity	A synthetic peptide corresponding to a sequence within amino acids 200-303 of human CDK4 (NP_000066.1).

ADDITIONAL INFORMATION

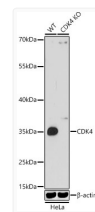
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



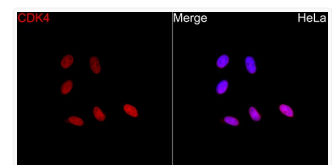
Western blot analysis of various lysates using [KO Validated] CDK4 Rabbit pAb (STJ23055) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution.
Lysates/proteins: 25 Mu g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit
Exposure time: 60s.



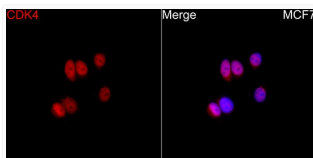
Western blot analysis of various lysates using [KO Validated] CDK4 Rabbit pAb (STJ23055) at 1:1000 dilution.
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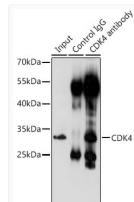
Western blot analysis of lysates from wild type (WT) and CDK4 knockout (KO) HeLa cells, using [KO Validated] CDK4 Rabbit pAb (STJ23055) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution.
Lysates/proteins: 25 Mu g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit
Exposure time: 60s.



Immunofluorescence analysis of HeLa cells using CDK4 Rabbit pAb (STJ23055) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of MCF7 cells using CDK4 Rabbit pAb (STJ23055) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 Mu g extracts of 293T cells using 3 Mu g CDK4 antibody (STJ23055). Western blot was performed from the immunoprecipitate using CDK4 antibody (STJ23055) at a dilution of 1:1000.