

Anti-CDK4 antibody (204-303) (STJ11101180)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

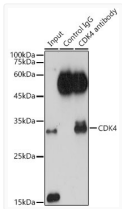
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/CC:1:50-1:200 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specif
Formulation	PBS with 0.01% Thimerosal, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 34kDa Observed Mw: 30kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

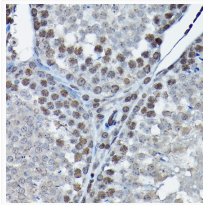
Gene ID	1019
Gene Symbol	CDK4
UniProt ID	CDK4_HUMAN
Immunogen Region	204-303
Immunogen Sequence	FAEMFRRKPLFCGNSADQL GKIFDLIGLPPEDDWPRDVS LPRGAFPPRGRPRVQSVVPE MEESGAQLLLEMLTFNPKR ISAFRALQHSYLHKDEGNPE
Specificity	A synthetic peptide corresponding to a sequence within amino acids 204-303 of human CDK4 (NP_000066.1).

ADDITIONAL INFORMATION

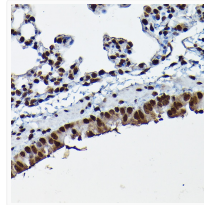
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



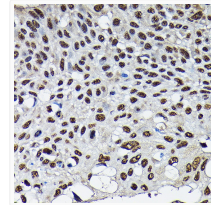
Immunoprecipitation analysis of 300 Mu g extracts of HeLa cells using 3 Mu g [KO Validated] CDK4 Rabbit polyclonal antibody (STJ11101180). Western blot was performed from the immunoprecipitate using [KO Validated] CDK4 Rabbit polyclonal antibody (STJ11101180) at a dilution of 1:1000.



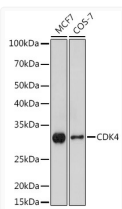
Immunohistochemistry analysis of CDK4 in paraffin-embedded rat testis using CDK4 Rabbit polyclonal antibody (STJ11101180) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



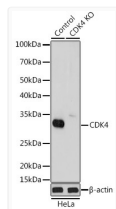
Immunohistochemistry analysis of CDK4 in paraffin-embedded mouse lung using CDK4 Rabbit polyclonal antibody (STJ11101180) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of CDK4 in paraffin-embedded human lung cancer using CDK4 Rabbit polyclonal antibody (STJ11101180) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates using [KO Validated] CDK4 Rabbit polyclonal antibody (STJ11101180) at 1:1000 dilution. Secondary antibody: HRP 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.



Western blot analysis of lysates from wild type (WT) and CDK4 knockout (KO) HeLa cells, using [KO Validated] CDK4 Rabbit polyclonal antibody (STJ11101180) at 1:1000 dilution. Secondary antibody: HRP 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.