

## Anti-CDK4 antibody (200-303) (STJ11104280)

STJ11104280

### GENERAL INFORMATION

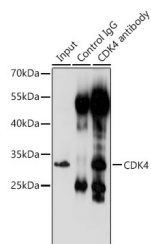
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	
<b>Applications</b>	WB/IHC-P/IF/ICC/IP/ELISA
<b>Host/Source</b>	Rabbit
<b>Reactivity</b>	Human/Mouse

### PRODUCT PROPERTIES

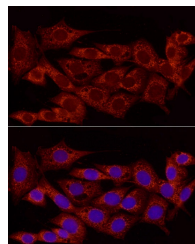
<b>Clonality</b>	Polyclonal
<b>Clone ID</b>	
<b>Concentration</b>	Lot specific
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	Affinity purification
<b>Dilution Range</b>	WB:1:500-1:1000 IHC-P:1:50-1:100 IF/ICC:1:50-1:200 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specif
<b>Formulation</b>	PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.
<b>Isotype</b>	IgG
<b>Storage</b>	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.
<b>Instruction</b>	

### TARGET INFORMATION

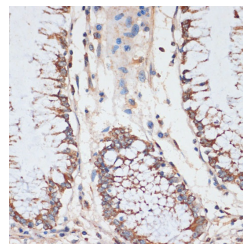
<b>Gene ID</b>	1019
<b>Gene Symbol</b>	CDK4
<b>Uniprot ID</b>	CDK4_HUMAN
<b>Immunogen</b>	
<b>Immunogen Region</b>	200-303
<b>Specificity</b>	A synthetic peptide corresponding to a sequence within amino acids 200-303 of human CDK4 (NP_000066.1).
<b>Immunogen Sequence</b>	VGCIFAEMFRRKPLFCGNSE ADQLGKIFDLIGLPPEDDWP RDVSLPRGAFPPRGRPVQS VVPEMEESGAQLLLEMLTFN PHKRISAFRALQHSYLHKDE GNPE



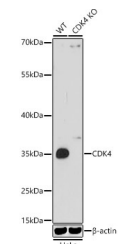
Immunoprecipitation analysis of 200 Mu g extracts of 293T cells using 3 Mu g CDK4 antibody (STJ11104280). Western blot was performed from the immunoprecipitate using CDK4 antibody (STJ11104280) at a dilution of 1:1000.



Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] CDK4 Rabbit polyclonal antibody (STJ11104280) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of CDK4 in paraffin-embedded human colon using [KO Validated] CDK4 Rabbit polyclonal antibody (STJ11104280) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of lysates from wild type (WT) and CDK4 knockout (KO) HeLa cells, using [KO Validated] CDK4 Rabbit polyclonal antibody (STJ11104280) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJ5000856) 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.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.  
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