

Anti-CDK5 antibody (1-292) (STJ28297)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

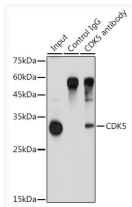
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/CC:1:10-1:100 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 33kDa 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

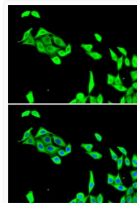
Gene ID	1020
Gene Symbol	CDK5
UniProt ID	CDK5_HUMAN
Immunogen Region	1-292
Immunogen Sequence	MQKYEKLEKIGEGTYGTVFK AKNRETHEIVALKRVRLDDD DEGVPSSALREICLLKELKH KNIVRLHDVHLHSDKKLTLVF EFCDQDLKKYFDSCNGDLDP EIVKSFLFQLLKGLGFCHSR NVLHRDLKPQNLLINRNGEL KLADFGLARAFGIPVRCYSA EVVTLWYRPPDVLFGAKLYS TSIDMWSAGCIFAELANAGR PLFPGNDVDDQLKRIFRLLG TPTEEQWPSMTKLPDYKPY
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-292 of human CDK5 (NP_004926.1).

ADDITIONAL INFORMATION

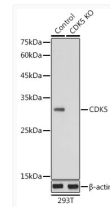
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



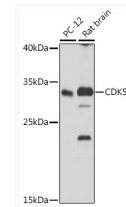
Immunoprecipitation analysis of 900 Mu g extracts of A-549 cells using 3 Mu g CDK5 antibody (STJ28297). Western blot was performed from the immunoprecipitate using CDK5 antibody (STJ28297) at a dilution of 1:1000.



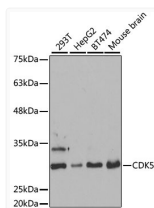
Immunofluorescence analysis of U2OS cells using [KO Validated] CDK5 Rabbit polyclonal antibody (STJ28297). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from wild type (WT) and CDK5 knockout (KO) 293T cells, using [KO Validated] CDK5 Rabbit polyclonal antibody (STJ28297) 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: 1s.



Western blot analysis of various lysates using [KO Validated] CDK5 Rabbit polyclonal antibody (STJ28297) 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 various lysates using [KO Validated] CDK5 Rabbit polyclonal antibody (STJ28297) 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: 30s.