

Rabbit anti-Human CDK5 Monoclonal Antibody | anti-CDK5 antibody

[KO Validated] CDK5 Rabbit mAb

CATALOG # AAA283015	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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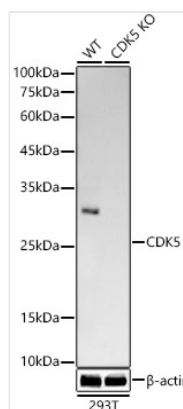
PRODUCT SYNONYMS

CDK5; Monoclonal Antibody; [KO Validated] CDK5 Rabbit mAb; LIS7; PSSALRE; K5; anti-CDK5 antibody

PRODUCT SPECIFICATIONS

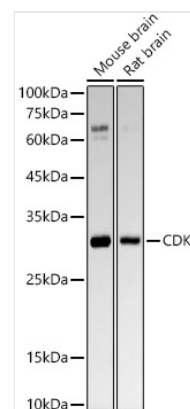
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	DSCNGDLDP EIVKSFLLQLL KGLGFCHSRN VLHRDLKPQN LLINRNGELK LADFGRLARAF GIPVRCYSAE VVTLWYRPPD VLFGLKLYST SIDMWSAGCI FAELANAGRP LFPGNDVDDQ LKRIFRLLGT PTEEQWPSMT KLPDYKPYPM YPATTSLVNV VPKLNATGRD LLQNLLKCNP VQRISAEEL QHPYFSD F
Applicable Applications for anti-CDK5 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 92-289 of human CDK5. (NP_004926.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and CDK5 knockout (KO) 293T cells, using [KO Validated] CDK5 Rabbit mAb (AAA283015) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



WB (Western Blot)

Western blot analysis of various lysates, using [KO Validated] CDK5 Rabbit mAb (AAA283015) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK5 antibody	This gene encodes a proline-directed serine/threonine kinase that is a member of the cyclin-dependent kinase family of proteins. Unlike other members of the family, the protein encoded by this gene does not directly control cell cycle regulation. Instead the protein, which is predominantly expressed at high levels in mammalian postmitotic central nervous system neurons, functions in diverse processes such as synaptic plasticity and neuronal migration through phosphorylation of proteins required for cytoskeletal organization, endocytosis and exocytosis, and apoptosis. In humans, an allelic variant of the gene that results in undetectable levels of the protein has been associated with lethal autosomal recessive lissencephaly-7. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-CDK5 antibody	Cancer; Signal Transduction; G protein signaling; Kinase; Serine threonine kinases; Cell Biology Developmental Biology; Apoptosis; Cell Cycle; Endocrine Metabolism; Endocrine and metabolic diseases; Obesity; Immunology Inflammation; Cytokines; Neuroscienc

NCBI AND UNIPROT INFORMATION

NCBI GI #	256542306
NCBI GeneID	1020
NCBI Accession #	NP_001157882.1
NCBI GenBank Nucleotide #	NM_001164410.1
UniProt Accession #	Q00535; A1XKG3
Molecular Weight	Calculated MW: 33kDa Observed MW: 33kDa
UniProt Protein Name	Cyclin-dependent kinase 5
UniProt Gene Name	CDK5
UniProt Synonym Gene Names	CDKN5; TPKII catalytic subunit
UniProt Entry Name	CDK5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.