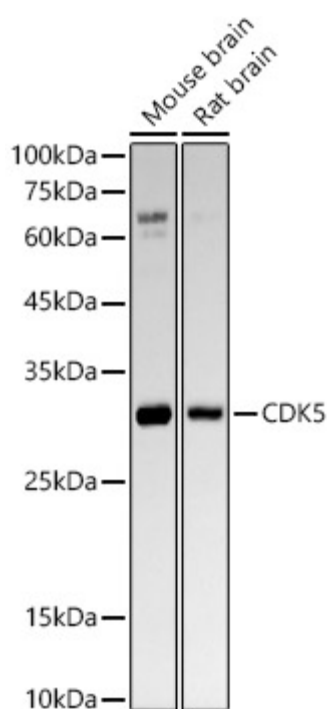
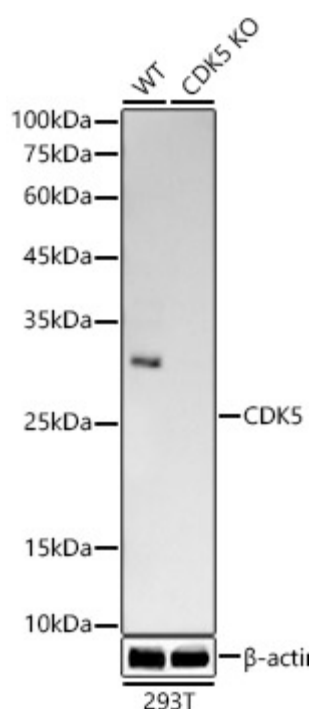


Product name:	[KO Validated] CDK5 Rabbit mAb
Cat number:	AB23502
Conjugate:	Unconjugated
Size:	100 ug
Clone:	ARC53344
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 92-289 of human CDK5. (NP_004926.1).
Reactivity:	Human,Mouse,Rat
Applications:	WB,1:1000 - 1:5000
Molecular Weight:	33kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Background:	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.



Western blot analysis of various lysates, using [KO Validated] CDK5 Rabbit mAb at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit . Exposure time: 180s.



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