

## Anti-CDK5 Rabbit Monoclonal Antibody

Catalog Number: M00511

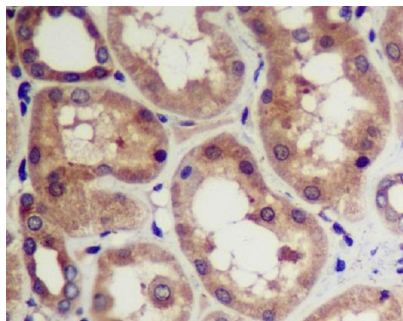
### Overview

Product Name	Anti-CDK5 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Anti-CDK5 Rabbit Monoclonal Antibody tested for Flow Cytometry, IP, IHC, WB in Human, Mouse, Rat
Application	IP, IHC, WB
Clonality	Monoclonal DAH-3
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	At -20°C for one year. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q00535

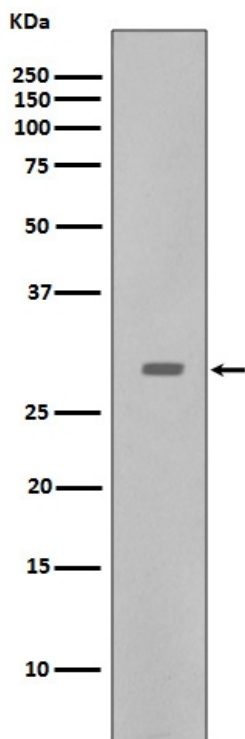
### Technical Details

Immunogen	A synthesized peptide derived from human Cdk5
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:1000-1:5000 IHC 1:50-1:200 IP 1:50 Flow Cytometry 1:50  For protocols please visit <a href="https://www.bosterbio.com/protocol-and-troubleshooting/">https://www.bosterbio.com/protocol-and-troubleshooting/</a>

## Anti-CDK5 Rabbit Monoclonal Antibody (M00511) Images



Immunohistochemical analysis of paraffin-embedded human kidney, using CDK5 Antibody (M00511)  
CDK5 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-CDK5 Antibody (M00511) overnight at 4?? Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37?? The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



Western blot analysis of CDK5 expression in HeLa cell lysate (M00511).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CDK5 monoclonal antibody (Catalog # M00511) overnight at 4?? then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for CDK5

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