

## CDK5 Antibody

**CAB5730**

### Description

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This CDK5 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB5730  
**Contents:** 20  $\mu$ L, 100  $\mu$ L  
Bradford Reagent: 1 vial (2ml)  
**Category:** Polyclonal Antibody  
**Synonyms:** LIS7, PSSALRE, K5  
**Clone:** -  
**Applications:** **WB** **IF/ICC** **IP** **ELISA**  
**Conjugation:** Unconjugated  
**Reactivity:** Human, Mouse, Rat

### Antibody Data

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**Gene ID:** 1020  
**Uniprot:** AB\_2766487  
**Host Species:** Rabbit  
**Purification:** Affinity purification  
**Observed MW:** 30kDa  
**Calculated MW:** 33kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

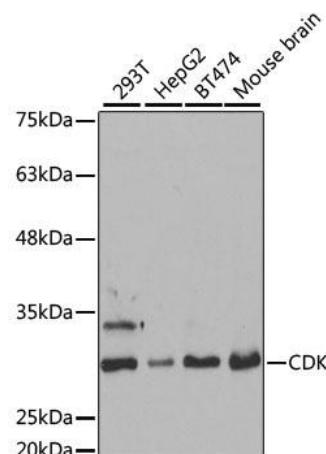
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** 293T, HepG2, BT-474, A-549, PC-12, Mouse brain, Rat brain

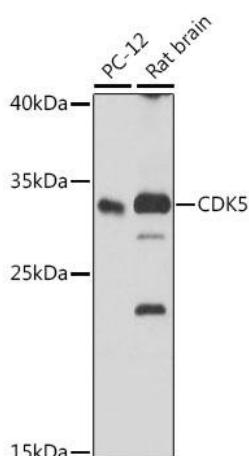
|                               |               |   |
|-------------------------------|---------------|---|
| <b>Recommended Dilutions:</b> | <b>WB</b>     | 1:500 - 1:1000  |
|                               | <b>IF/ICC</b> | 1:10 - 1:100  |
|                               | <b>IP</b>     | 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells  |
|                               | <b>ELISA</b>  | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

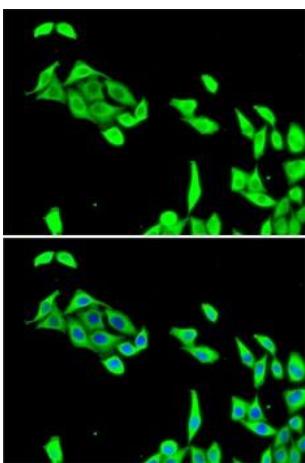
## Validation Data



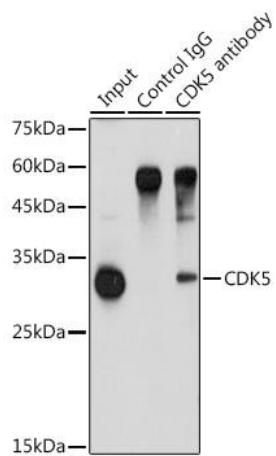
Western blot analysis of various lysates using [KO Validated] Rabbit pAb (CAB5730) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



Western blot analysis of various lysates using [KO Validated] Rabbit pAb (CAB5730) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.



Immunofluorescence analysis of U2OS cells using [KO Validated] Rabbit pAb (CAB5730). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 900 µg extracts of A549 cells using 3 µg antibody (CAB5730). Western blot was performed from the immunoprecipitate using antibody (CAB5730) at a dilution of 1:1000.