

## PKC alpha Monoclonal Antibody

**CAB11107**

### Description

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This PKC alpha Monoclonal 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:** CAB11107

**Contents:** 20 µL, 100 µL  
Bradford Reagent: 1 vial (2ml)

**Category:** Monoclonal Antibody

**Synonyms:** AAG6, PKCA, PRKACA, PKC $\alpha$ +/-, PKC $\alpha$ , PKC-alpha, PKC alpha

**Clone:** ARC0197

**Applications:** WB IHC-P IP ELISA

**Conjugation:** Unconjugated

**Reactivity:** Human, Mouse, Rat

### Antibody Data

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**Gene ID:** 5578

**Uniprot:** AB\_2758408

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 77kDa

**Calculated MW:** 77kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

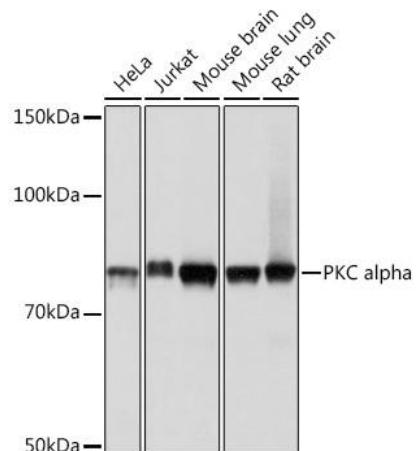
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** HeLa, Jurkat, Mouse brain, Mouse lung, Rat brain

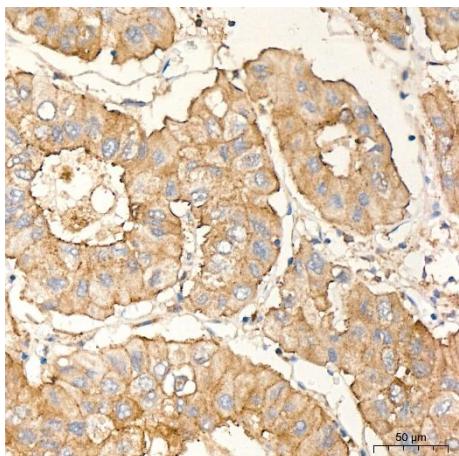
<b>Recommended Dilutions:</b>	<b>WB</b>	1:1000 - 1:6000
	<b>IHC-P</b>	1:200 - 1:2000
	<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**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



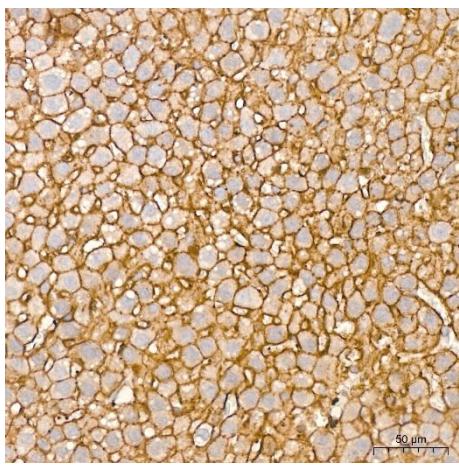
Western blot analysis of various lysates using PKC alpha pAb (CAB11107) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using PKC alpha Rabbit mAb (CAB11107) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using PKC alpha Rabbit mAb (CAB11107) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using PKC alpha Rabbit mAb (CAB11107) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.