

**Anti-CaMK2 alpha/delta Antibody**  
Rabbit polyclonal antibody to CaMK2 alpha/delta  
Catalog # AP60135

### Specification

---

#### Anti-CaMK2 alpha/delta Antibody - Product Information

Application	WB, IF
Primary Accession	<a href="#">O9UQM7</a> , <a href="#">Q13557</a>
Other Accession	<a href="#">P11798</a> , <a href="#">Q6PHZ2</a>
Reactivity	Human, Mouse, Rat, Pig, Chicken, Bovine, SARS
Host	Rabbit
Clonality	Polyclonal

#### Anti-CaMK2 alpha/delta Antibody - Additional Information

##### Other Names

CAMK2A; CAMKA; KIAA0968; Calcium/calmodulin-dependent protein kinase type II subunit alpha; CaM kinase II subunit alpha; CaMK-II subunit alpha; CAMK2D; CAMKD; Calcium/calmodulin-dependent protein kinase type II subunit delta; CaM kinase II subunit delta; CaMK-II subunit delta

##### Target/Specificity

Recognizes endogenous levels of CaMK2 alpha/delta protein.

##### Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)  
IF~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

##### Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

##### Storage

Store at -20 °C. Stable for 12 months from date of receipt

#### Anti-CaMK2 alpha/delta Antibody - Protein Information

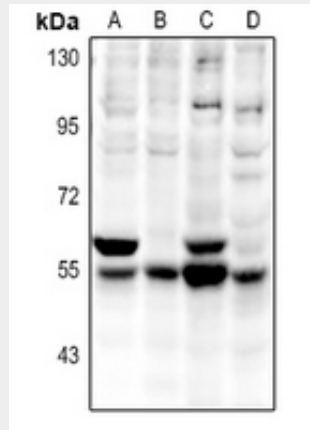
#### Anti-CaMK2 alpha/delta Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

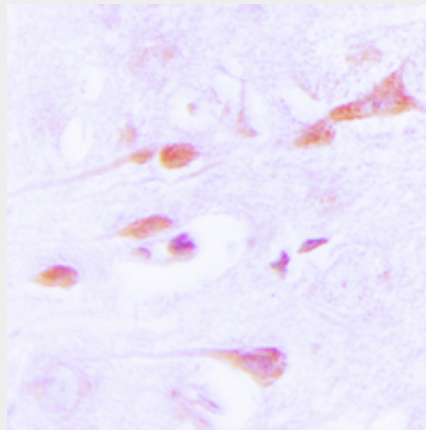
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

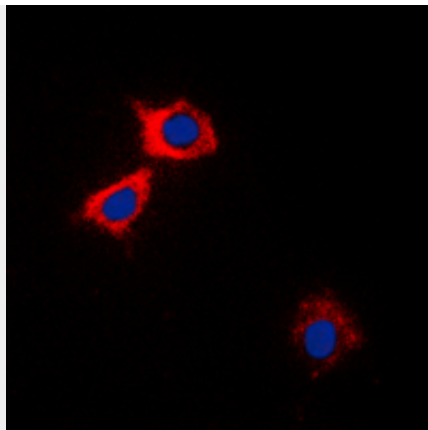
### Anti-CaMK2 alpha/delta Antibody - Images



Western blot analysis of CaMK2 alpha/delta expression in U87MG (A), SKOV3 (B), C6 (C), BV2 (D) whole cell lysates.



Immunohistochemical analysis of CaMK2 alpha/delta staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CaMK2 alpha/delta staining in HEK293A cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

#### **Anti-CaMK2 alpha/delta Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CaMK2 alpha/delta. The exact sequence is proprietary.