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# Anti-CAMKV Antibody

Catalog # AP51032

## Product Information

| | |
|---|---|
| **Application** | WB, IHC, IF/IC |
| **Primary Accession** | Q8NCB2 |
| **Reactivity** | Human, Mouse, Rat, Bovine, Mk |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 54354 |

## Additional Information

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|---|---|
| **Gene ID** | 79012 |
| **Other Names** | CaM kinase-like vesicle-associated protein |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CAMKV. The exact sequence is proprietary. |
| **Dilution** | WB~~ 1:1000 IHC~~1:100~500 IF/IC~~N/A |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

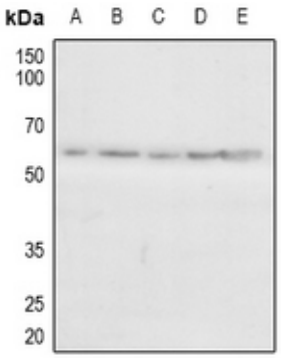
## Protein Information

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|---|---|
| **Name** | CAMKV |
| **Function** | Does not appear to have detectable kinase activity. |
| **Cellular Location** | Cell membrane; Peripheral membrane protein. Cytoplasmic vesicle membrane; Peripheral membrane protein. Note=Predominantly observed in association with the plasma membrane of soma and in neurites, both axons and dendrites. May be associated with vesicular structures (By similarity). |

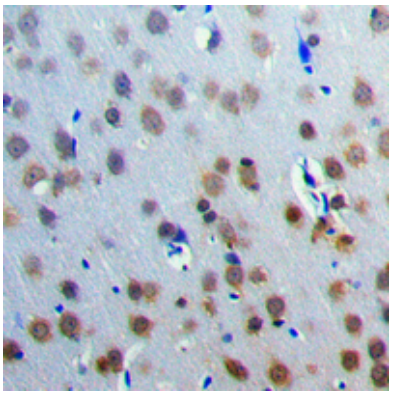
## References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Wiemann S.,et al.Genome Res. 11:422-435(2001).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Muzny D.M.,et al.Nature 440:1194-1198(2006).

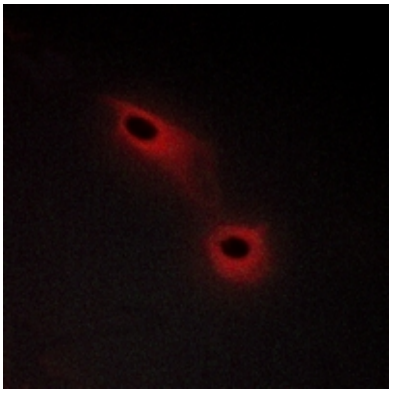
## Images




Western blot analysis of CAMKV expression in HEK293A (A), HEK293T (B), Hela (C), DLD (D), mouse brain (E) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 54 kD)



Immunohistochemical analysis of CAMKV 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 CAMKV staining in HeLa 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 hidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.