Datasheet for ABIN3030261

# anti-CAMKK2 antibody (AA 483-512)

3 Images

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## Overview

| | |
|---|---|
| Quantity: | 0.4 mL |
| Target: | CAMKK2 |
| Binding Specificity: | AA 483-512 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CAMKK2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

## Product Details

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|---|---|
| Immunogen: | A portion of amino acids 483-512 from the human protein was used as the immunogen for this CAMKK2 antibody. |
| Isotype: | Ig Fraction |
| Cross-Reactivity (Details): | Expected species reactivity: Mouse, Rat |
| Purification: | Purified |

## Target Details

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|---|---|
| Target: | CAMKK2 |
| Alternative Name: | CAMKK2 (CAMKK2 Products) |
| Background: | CAMKK2 belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin- |

## Target Details

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|---|---|
| | dependent protein kinase subfamily. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade by phosphorylating the downstream kinases CaMK1 and CaMK4. Isoform 1, isoform 2 and isoform 3 phosphorylate CAMK1 and CAMK4. Isoform 3 phosphorylates CAMK1D. Isoform 4, isoform 5 and isoform 6 lacking part of the calmodulin-binding domain are inactive. CAMKK2 appears to be involved in hippocampal activation of CREB1. |
| UniProt: | Q96RR4 |
| Pathways: | AMPK Signaling |

## Application Details

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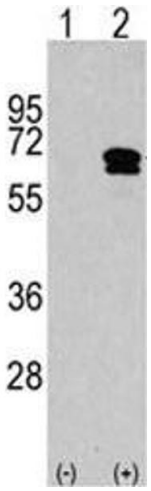
|---|---|
| Application Notes: | Titration of the CAMKK2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50 |
| Restrictions: | For Research Use only |

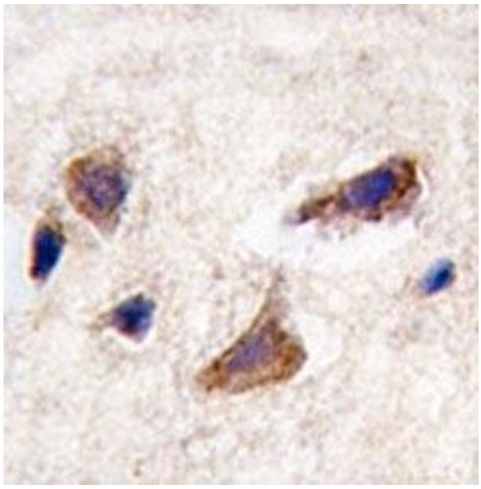
## Handling

| | |
|---|---|
| Format: | Liquid |
| Buffer: | In 1X PBS, pH 7.4, with 0.09 % sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Aliquot the CAMKK2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles. |



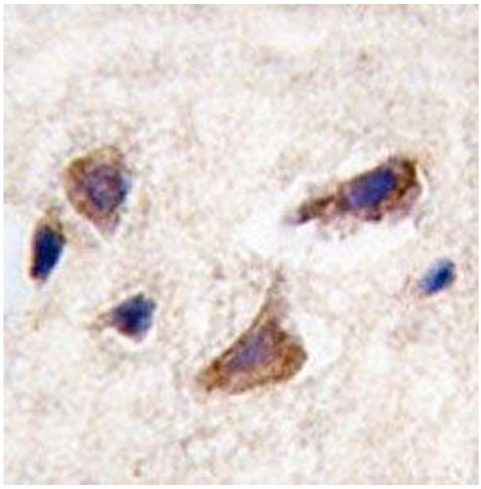

## Western Blotting

**Image 1.** Western blot analysis of CAMKK2 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the CAMKK2 gene (2). Predicted molecular weight 60-65 kDa.



## Immunohistochemistry

**Image 2.** IHC analysis of FFPE human brain tissue stained with CAMKK2 antibody



## Immunohistochemistry

**Image 3.** IHC analysis of FFPE human brain tissue stained with CAMKK2 antibody