

Datasheet for ABIN3030262
anti-CAMKK2 antibody (AA 52-82)

3 Images

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Overview

Quantity:	0.4 mL
Target:	CAMKK2
Binding Specificity:	AA 52-82
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAMKK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 52-82 from the human protein was used as the immunogen for this CAMKK2 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	CAMKK2
Alternative Name:	CAMKK2 (CAMKK2 Products)
Background:	CAMKK2 belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade by phosphorylating the downstream kinases CaMK1 and

Target Details

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

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): 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

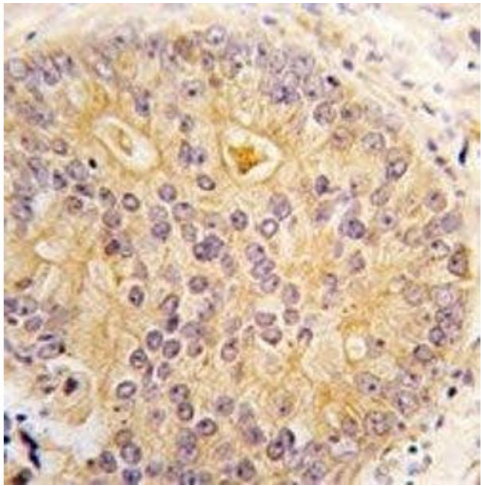
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

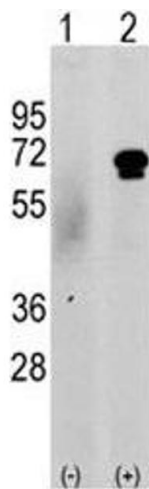
Storage: -20 °C

Storage Comment: Aliquot the CAMKK2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



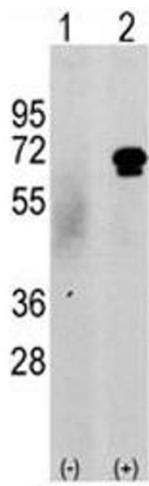
Immunohistochemistry

Image 1. IHC analysis of FFPE human prostate carcinoma tissue stained with CAMKK2 antibody



Western Blotting

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



Western Blotting

Image 3. Western blot analysis of CAMKK2 antibody and 293 cell lysate either nontransfected (c) or transiently transfected with the CAMKK2 gene (2). Predicted molecular weight 60-65 kDa.