


Product datasheet

Anti-DCAMKL2 antibody ab64852

1 Image

Overview

<b>Product name</b>	Anti-DCAMKL2 antibody
<b>Description</b>	Rabbit polyclonal to DCAMKL2
<b>Specificity</b>	ab64852 detects endogenous levels of total DCAMKL2 protein.
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide derived from an internal region of human DCAMKL2.
<b>Positive control</b>	Extracts from HepG2 cells.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 150mM Sodium chloride, pH 7.4
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab64852** in the following tested applications.

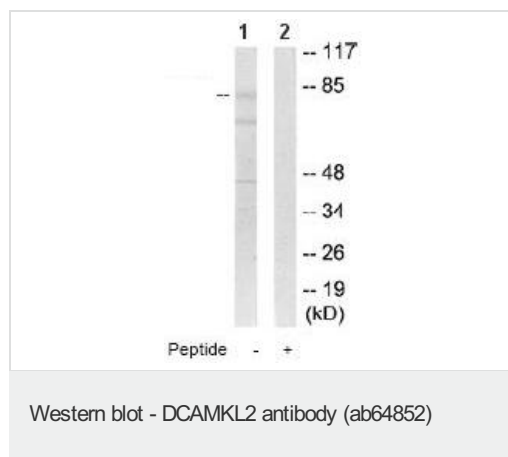
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 84 kDa (predicted molecular weight: 84 kDa).
ELISA		1/10000.

## Target

<b>Function</b>	Protein kinase with a significantly reduced Ca <sup>2+</sup> /CAM affinity and dependence compared to other members of the CaMK family. May play a role in the down-regulation of CRE-dependent gene activation probably by phosphorylation of the CREB coactivator CRTC2/TORC2 and the resulting retention of TORC2 in the cytoplasm.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily. Contains 2 doublecortin domains. Contains 1 protein kinase domain.
<b>Domain</b>	The doublecortin domains are involved in the colocalization with microtubules.
<b>Cellular localization</b>	Cytoplasm > cytoskeleton. Colocalizes with microtubules.

## Images



**All lanes :** Anti-DCAMKL2 antibody (ab64852) at 1/500 dilution

**Lane 1 :** Extracts of HepG2 cells

**Lane 2 :** Extracts of HepG2 cells with immunising peptide at 10 µg

Lysates/proteins at 30 µg per lane.

**Predicted band size :** 84 kDa

**Observed band size :** 84 kDa

**Additional bands at :** 45 kDa, 70 kDa. We are unsure as to the identity of these extra bands.

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