

Product Name: KO-Validated CAMK1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00151**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:100-1:1,000
Molecular Weight	Calculated MW: 41.3kDa

Antigen Information

Gene Name	CAMK1 CAMK1; Calcium/Calmodulin Dependent Protein Kinase I 2; CaMKI-Alpha; CaMKI ;
Alternative Names	Calcium/Calmodulin-Dependent Protein Kinase Type 1; CaM Kinase I Alpha; EC 2.7.11.17; CaM-KI; CaM Kinase I; EC 2.7.11
Gene ID	8536.0
SwissProt ID	Q14012
Immunogen	A synthesized peptide derived from human CaMKI

Background

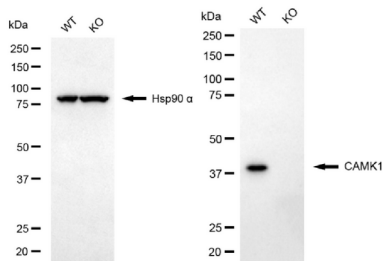
Calcium/calmodulin-dependent protein kinase I is expressed in many tissues and is a component of a calmodulin-dependent protein kinase cascade. Calcium/calmodulin directly activates calcium/calmodulin-dependent protein kinase I by binding to the

enzyme and indirectly promotes the phosphorylation and synergistic activation of the enzyme by calcium/calmodulin-dependent protein kinase I kinase. [provided by RefSeq, Jul 2008]

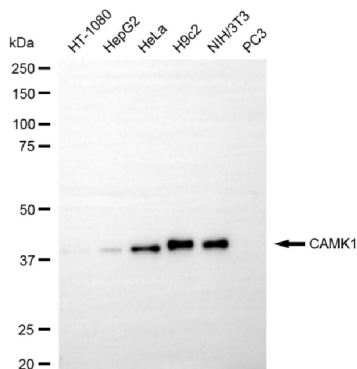
Research Area

Cell Biology,Signal Transduction,Cancer

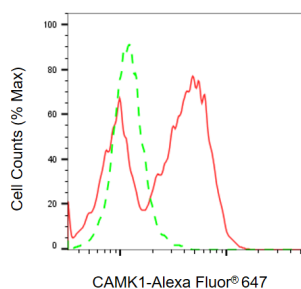
Image Data



Western blotting analysis using CAMK1 antibody (KVA00151). CAMK1 expression in wild-type (WT) and CAMK1 knockout (KO) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CAMK1 antibody (KVA00151, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CAMK1 antibody (KVA00151). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CAMK1 antibody (KVA00151, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of CAMK1 expression in HeLa cells using CAMK1 antibody (KVA00151, 1:2,000). Green, isotype control; red, CAMK1.