

Datasheet for ABIN716426
anti-CAMKK2 antibody (AA 501-588)[Go to Product page](#)

3 Publications

Overview

Quantity:	100 µL
Target:	CAMKK2
Binding Specificity:	AA 501-588
Reactivity:	Human, Mouse, Rat, Pig, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAMKK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CAMKK2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Pig, Rat, Sheep
Predicted Reactivity:	Cow,Horse
Purification:	Purified by Protein A.

Target Details

Target:	CAMKK2
Alternative Name:	Camkk2 (CAMKK2 Products)

Target Details

Background:	<p>Synonyms: Calcium/calmodulin dependent protein kinase beta, Calcium/calmodulin dependent protein kinase kinase 2, Calcium/calmodulin dependent protein kinase kinase beta, CaM kinase kinase beta, CaM KK beta, CAMKK 2, CAMKK, CaMKK beta, CAMKK beta protein, CAMKKB.</p> <p>Background: The product of this gene 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 CaMK4. Seven transcript variants encoding six distinct isoforms have been identified for this gene. Additional splice variants have been described but their full-length nature has not been determined. The identified isoforms exhibit a distinct ability to undergo autophosphorylation and to phosphorylate the downstream kinases. [provided by RefSeq, Jul 2008].</p>
Gene ID:	10645
Pathways:	AMPK Signaling

Application Details

Application Notes:	WB 1:300-5000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

- Product cited in: Zhang, Zhao, Zhang, Hao, Yu, Min, Li, Ma, Chen, Yi, Tang, Meng, Liu, Wang, Shen, Zhang: "Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can be inheritable." in: **Chemosphere**, Vol. 194, pp. 147-157, (2018) ([PubMed](#)).
- Zhao, Zhang, Liu, Zhang, Hao, Li, Chen, Shen, Tang, Min, Meng, Wang, Yi, Zhang: "Hydrogen Sulfide and/or Ammonia Reduces Spermatozoa Motility through AMPK/AKT Related Pathways." in: **Scientific reports**, Vol. 6, pp. 37884, (2016) ([PubMed](#)).
- Wang, Zhao, Yu, Feng, Zhang, Kou, Chu, Cui, Li, Zhang, Shen, Min: "Regulation of steroid hormones and energy status with cysteamine and its effect on spermatogenesis." in: **Toxicology and applied pharmacology**, Vol. 313, pp. 149-158, (2016) ([PubMed](#)).