Product Datasheet

CaMKK2 Antibody (1A11) - Azide and BSA Free
H00010645-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

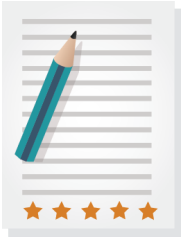
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H00010645-M01

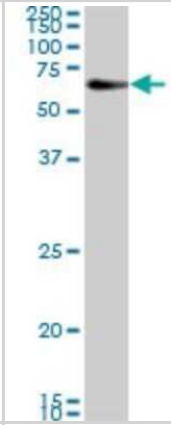
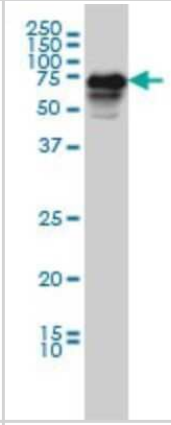
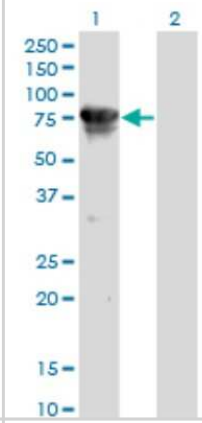
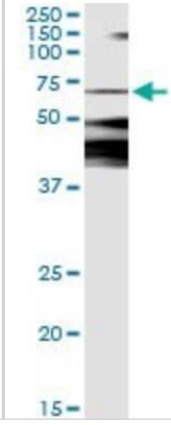
CaMKK2 Antibody (1A11) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1A11
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

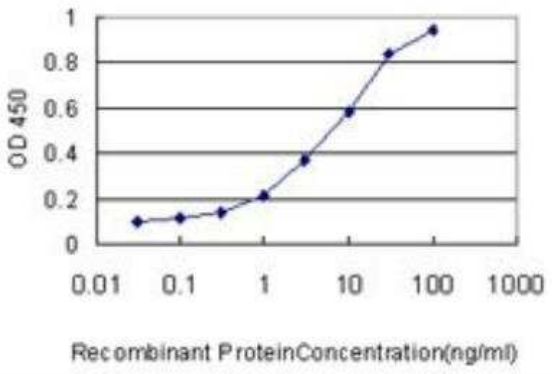
Product Description	
Description	Novus Biologicals Mouse CaMKK2 Antibody (1A11) - Azide and BSA Free (H00010645-M01) is a monoclonal antibody validated for use in WB, ELISA and IP. Anti-CaMKK2 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	10645
Gene Symbol	CAMKK2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25366347)
Specificity/Sensitivity	CAMKK2 - calcium/calmodulin-dependent protein kinase kinase 2, beta
Immunogen	CAMKK2 (AAH26060, 1 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MSSCVSSQPSSNRAAPQDELGGRGSSSSESQKPCEALRGLSSLSIHLGMESFI VVTECEPGCAVDLGLARDRPLEADGQEVPLDSSGSQARPHLSGRKLSLQERS QGGLAAGGSLDMNGRCICPSLPYSP
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunoprecipitation 1:10-1:500

Images

Western Blot: CaMKK2 Antibody (1A11) [H00010645-M01] - CAMKK2 monoclonal antibody (M01), clone 1A11. Analysis of CAMKK2 expression in K-562.	
Western Blot: CaMKK2 Antibody (1A11) [H00010645-M01] - CAMKK2 monoclonal antibody (M01), clone 1A11 Analysis of CAMKK2 expression in IMR-32.	
Western Blot: CaMKK2 Antibody (1A11) [H00010645-M01] - Analysis of CAMKK2 expression in transfected 293T cell line by CAMKK2 monoclonal antibody (M01), clone 1A11.Lane 1: CAMKK2 transfected lysate(59.6 KDa).Lane 2: Non-transfected lysate.	
Immunoprecipitation: CaMKK2 Antibody (1A11) [H00010645-M01] - Analysis of CAMKK2 transfected lysate using anti-CAMKK2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with CAMKK2 MaxPab rabbit polyclonal antibody.	

ELISA: CaMKK2 Antibody (1A11) [H00010645-M01] - Detection limit for recombinant GST tagged CAMKK2 is approximately 1ng/ml as a capture antibody.



Publications

Angela G, Shuhang D, Arthur E et al. Distinguishing parallel from series circuits with a double knockdown procedure in human cell lines. STAR Protoc. 2022-12-16 [PMID: 36595936]

Dai S, Venturini E, Yadav S et al. Calcium/calmodulin-dependent protein kinase kinase 2 mediates pleiotropic effects of epidermal growth factor in cancer cells Biochimica et biophysica acta. Molecular cell research 2022-03-07 [PMID: 35271909] (WB, Human)

Kim BM, Kim DH, Ha S et al. PAR2 promotes high-fat diet-induced hepatic steatosis by inhibiting AMPK-mediated autophagy The Journal of nutritional biochemistry 2021-05-14 [PMID: 34000413] (WB, Mouse)

Truve K, Dickinson P, Xiong A et al. Utilizing the Dog Genome in the Search for Novel Candidate Genes Involved in Glioma Development-Genome Wide Association Mapping followed by Targeted Massive Parallel Sequencing Identifies a Strongly Associated Locus. PLoS Genet 2016-05-12 [PMID: 27171399]

Karacosta LG, Foster BA, Azabdaftari G et al. A regulatory feedback loop between Ca2+/Calmodulin-dependent protein kinase kinase 2 (CaMKK2) and the androgen receptor in prostate cancer progression. J Biol Chem. 2012-05-31 [PMID: 22654108]

Morrison A, Chen L, Wang J. Sestrin2 promotes LKB1-mediated AMPK activation in the ischemic heart FASEB J. 2014-11-03 [PMID: 25366347] (WB, Mouse)

Details:
CaMKK2 / Ca2+ calmodulin dependent protein kinase beta antibody used for WB on Sestrin2 immune-complexes from heart, and on Brain tissue (positive control) from Male wild-type and Sesn2 KO mice (Supplemental Figure 2).

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Products Related to H00010645-M01

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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