

Anti-CaMKII Alpha / Delta (M281) CAMK2A Antibody

Catalog Number: A03241-3

About CAMK2A

Functions as a ubiquitin E3 ligase and as an ISG15 E3 ligase. Involved in innate immune defense against viruses by mediating ubiquitination of DDX58. Mediates 'Lys-63'-linked polyubiquitination of the DDX58 N-terminal CARD-like region which is crucial for triggering the cytosolic signal transduction that leads to the production of interferons in response to viral infection. Promotes ISGylation of 14-3-3 sigma (SFN), an adapter protein implicated in the regulation of a large spectrum signaling pathway. Mediates estrogen action in various target organs.

Inoue S., Proc. Natl. Acad. Sci. U.S.A. 90:11117-11121(1993).

The MGC Project Team, Genome Res. 14:2121-2127(2004).

Rush J., Nat. Biotechnol. 23:94-101(2005).

Overview

Product Name	Anti-CaMKII Alpha / Delta (M281) CAMK2A Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CaMKII Alpha / Delta (M281) CAMK2A Antibody catalog # A03241-3. Tested in WB,IHC,IF applications. This antibody reacts with Human,Mouse,Rat.
Application	IF, IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9UQM7/Q13557

Technical Details

Immunogen	Synthesized peptide derived from human Max around the phosphorylation site of S2.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-

	specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:500-1:1000 IHC: 1:50-1:200 IF: 1:50-1:200</p>

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