

## Anti-CAMKK2 Antibody (Monoclonal, 32C39)

Catalog Number: M03048

### About CAMKK2

CAMKK2, Calcium/calmodulin-dependent protein kinase kinase 2, is an enzyme that in humans is encoded by the CAMKK2 gene. The product of this gene belongs to the serine/threonine-specific protein kinase family, and to the Ca<sup>++</sup>/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. CaMKK2 regulates production of the appetite stimulating hormone neuropeptide Y and functions as an AMPK kinase in the hypothalamus. It also has an important role in the development of hyperalgesia and tolerance to opioid analgesic drugs, through reduction in downstream signalling pathways and mu opioid receptor downregulation. Inhibition of CaMKK2 in mice reduces appetite and promotes weight loss.

### Overview

Product Name	Anti-CAMKK2 Antibody (Monoclonal, 32C39)
Reactive Species	Human
Description	Boster Bio Anti-CAMKK2 Antibody (Monoclonal, 32C39) catalog # M03048. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Monoclonal 32C39
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	Q96RR4

### Technical Details

Immunogen	Recombinant protein within
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000

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