

## Anti-CAMKK2 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A03048-Fluoro488

### 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 Picoband® Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q96RR4

### Technical Details

Immunogen	E.coli-derived human CAMKK2 recombinant protein (Position: M1-G349).
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-CAMKK2 Antibody - Fluoro488

For Research Use Only. Not for use in diagnostic procedures.