

## **Product datasheet for TA343141**

### Product datasineet for TAS4514

# **CAMK2B Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

**Isotype:** IgG

Clonality: Polyclonal

**Immunogen:** The immunogen for anti-CAMK2B antibody: synthetic peptide directed towards the C terminal

of human CAMK2B. Synthetic peptide located within the following region: NPHVHVIGEDAACIAYIRLTQYIDGQGRPRTSQSEETRVWHRRDGKWQNV

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 60 kDa

**Gene Name:** calcium/calmodulin dependent protein kinase II beta

Database Link: NP 742075

Entrez Gene 816 Human

Q13554

**Background:** The product of this gene belongs to the serine/threonine protein kinase family and to the

Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is

a beta chain. It is possible that distinct isoforms of this chain have different cellular

localizations and interact differently with calmodulin. Eight transcript variants encoding eight

distinct isoforms have been identified for this gene.



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#### CAMK2B Rabbit Polyclonal Antibody - TA343141

Synonyms: CAM2; CAMK2; CAMKB

**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:

100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 93%

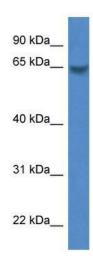
**Protein Families:** Druggable Genome, Protein Kinase

Protein Pathways: Calcium signaling pathway, ErbB signaling pathway, Glioma, GnRH signaling pathway, Long-

term potentiation, Melanogenesis, Neurotrophin signaling pathway, Olfactory transduction,

Oocyte meiosis, Wnt signaling pathway

## **Product images:**



WB Suggested Anti-CAMK2B Antibody; Titration: 1.0 ug/ml; Positive Control: Fetal Heart