

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08288 - Goat Anti-CDKAL1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CDK5 regulatory subunit associated protein 1-like 1, FLJ20342, FLJ46705, MGC75469

**Official Symbol:** CDKAL1

**Accession Number(s):** NP\_060244.2

**Human GeneID(s):** [54901](#)

**Non-Human GeneID(s):** 68916 (mouse), 361243 (rat)

### Immunogen

Peptide with sequence C-QVKKQRTKDLSR, from the internal region of the protein sequence according to NP\_060244.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** This antibody has been described in a publication and it has been successfully used on Human islets and pancreatic insulinoma INS-1 and MIN6 cells . Preliminary experiments gave an approx. 39kDa band in Human Brain (Cerebellum) lysates after 0.5µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 65.1kDa according to NP\_060244.2. The 39kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human, Mouse, Rat, Dog

### Specific Reference

Brambillasca S, Altkrueger A, Colombo SF, Friederich A, Eickelmann P, Mark M, Borgese N, Solimena M.

CDK5 regulatory subunit-associated protein 1-like 1 (CDKAL1) is a tail-anchored protein in the endoplasmic reticulum (ER) of insulinoma cells.

J Biol Chem. 2012 Dec 7;287(50):41808-19.

PMID: 23048041