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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 GenelD(s): 54901

Non-Human GenelD(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