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diagnostic or therapeutic use.**

EB06363 - Goat Anti-Cdc42-binding kinase alpha Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CDC42BPA, MRCK, MRCKA, PK428, FLJ23347, KIAA0451, CDC42 binding protein kinase alpha (DMPK-like), ser-thr protein kinase PK428, myotonic dystrophy kinase-related CDC42-binding protein kinase alpha, Ser-Thr protein kinase related to the myotonic dystrophy protein kinase, DKFZp686L1738, CDC42 binding protein kinase beta

Official Symbol: CDC42BPA

Accession Number(s): NP_055641.3; NP_003598.2

Human GeneID(s): [8476](#)

Non-Human GeneID(s): 226751 (mouse), 114116 (rat)

Important Comments: This antibody is expected to recognise both reported Human isoforms (NP_055641.3 and NP_003598.2).

Immunogen

Peptide with sequence SGEVRLRQLEQFI-C, from the N Terminus of the protein sequence according to NP_055641.3; NP_003598.2.

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 1:16000.

Western blot: Preliminary experiments gave an approx 30kDa and 40kDa bands in Human Pancreas lysates at 1ug/ml. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated sizes of 186kDa according to NP_055641.3 and 196kDa according to NP_003598.2. 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?

IHC: In paraffin embedded Human Cerebellum shows cytoplasm staining in purkinje cells. Recommended concentration, 3-6µg/ml.

Species Reactivity

Tested: Human

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

EB06363 (3.8µg/ml) staining of paraffin embedded Human Cerebellum Steamed antigen retrieval with citrate buffer pH 6, AP-staining.