



## Goat anti-Cdc42-binding kinase alpha Antibody

<b>Item Number</b>	dAP-0425
<b>Target Molecule</b>	Principle Name: Cdc42-binding kinase alpha; Official Symbol: CDC42BPA; All Names and Symbols: 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 ; Accession Number (s): NP_055641.3; NP_003598.2; Human Gene ID(s): 8476; Non-Human GeneID(s): 226751 (mouse) 114116 (rat)
<b>Immunogen</b>	SGEVRLRQLEQFI, is from N Terminus This antibody is expected to recognise both reported Human isoforms (NP_055641.3 and NP_003598.2).
<b>Applications</b>	Pep ELISA, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 16000.
<b>Western Blot</b>	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 accord
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Cerebellum shows cytoplasm staining in purkinje cells. Recommended concentration, 3-6µg/ml.
<b>Reference</b>	Reference(s): Zhao Y, Loyer P, Li H, Valentine V, Kidd V, Kraft AS. Cloning and chromosomal location of a novel member of the myotonic dystrophy family of protein kinases. J Biol Chem. 1997 Apr 11;272(15):10013-20..PMID: 9092543 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**