

Goat anti-PIK3C2A Antibody

Item Number	dAP-0478
Target Molecule	Principle Name: PIK3C2A; Official Symbol: PIK3C2A; All Names and Symbols: PIK3C2A; CPK; PI3-K-C2A; PI3K-C2alpha; PI3-K-C2(ALPHA); phosphoinositide-3-kinase, class 2, alpha polypeptide; C2-containing phosphatidylinositol kinase; DKFZp686L193; MGC142218;; Accession Number (s): NP_002636.2; Human Gene ID(s): 5286; Non-Human GeneID(s): 18704 (mouse)
Immunogen	TVKWYQLTAATYL, is from C Terminus
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Preliminary experiments gave no signal but low background in Human Testis and Molt-4 lysates at up to 1µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Placenta shows cytoplasm staining of cytotrophoblasts and mesenchymal cells. Recommended concentration: 2-4µg/ml. Paraffin embedded Human Heart. Recommended concentration: 5µg/ml.
Reference	Reference(s): Molz L, Chen YW, Hirano M, Williams LT. Cpk is a novel class of Drosophila PtdIns 3-kinase containing a C2 domain. J Biol Chem. 1996 Jun 7;271(23):13892-9..PMID: 8662856 ->

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**