



Goat anti-PIK3CA / P110alpha Antibody

Item Number	dAP-0964
Target Molecule	Principle Name: PIK3CA / P110alpha; Official Symbol: PIK3CA; All Names and Symbols: PIK3CA; p110-alpha; phosphoinositide-3-kinase, catalytic, alpha polypeptide ; MGC142161; MGC142163; PI3K; PI3-kinase p110 subunit alpha; PtdIns-3-kinase p110; phosphatidylinositol 3-kinase, catalytic, 110-KD, alpha; phosphatidylinositol 3-kinase, catalytic; Accession Number (s): NP_006209.2; Human Gene ID(s): 5290; Non-Human GeneID(s): 18706 (mouse) 170911 (rat)
Immunogen	HQWLKDKNKGEIYD, is from internal region
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 128000.
Western Blot	Western Blot: Preliminary experiments in lysates of cell lines A431, HeLa and Jurkat gave no specific signal but low background (at antibody concentration up to 1µg/ml).
IHC	Immunohistochemistry: In paraffin embedded Human Brain (Cerebral Cortex) shows cytoplasm stained in the cell bodies. Recommended concentration: 2-3µg/ml. Paraffin embedded Human Heart. Recommended concentration: 5µg/ml.
Reference	Reference(s): Lopez-Knowles E, Hernandez S, Malats N, Kogevinas M, Lloreta J, Carrato A, Tardon A, Serra C, Real FX. PIK3CA mutations are an early genetic alteration associated with FGFR3 mutations in superficial papillary bladder tumors. Cancer Res. 2006 Aug 1;66(15):7401-4. .PMID: 16885334 ->

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**