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Research Use Only. Not for diagnostic or therapeutic use.

EB07512 - Goat Anti-PIK3CA / P110alpha Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: 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, alpha polypeptide,

phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit, alpha isoform

Official Symbol: PIK3CA

Accession Number(s): NP_006209.2

Human GeneID(s): 5290

Non-Human GenelD(s): 18706 (mouse), 170911 (rat)

Immunogen

Peptide with sequence C-HQWLKDKNKGEIYD, from the internal region of the protein sequence according to NP_006209.2.

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 1:128000.

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: 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. This antibody has been successfully used in IHC on Human in the following paper: Abubaker J et al. (2009) PMID: 19638206.

Species Reactivity

Tested: Human

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

Specific Reference

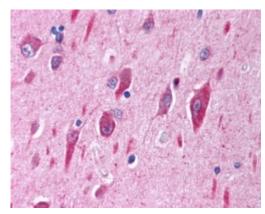
This antibody has been successfully used in IHC on Human:

Abubaker J, Bavi P, Al-Haqawi W, Jehan Z, Munkarah A, Uddin S, Al-Kuraya KS.

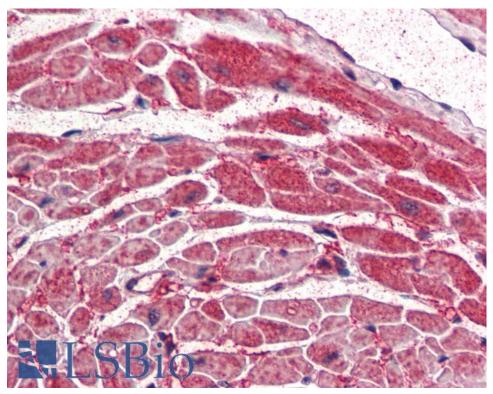
PIK3CA alterations in Middle Eastern ovarian cancers.

Mol Cancer. 2009 Jul 28;8:51.

PMID: 19638206



EB07512 (2.5μg/ml) staining of paraffin embedded Human Brain (Cerebellar Cortex). Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07512 (5μg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.