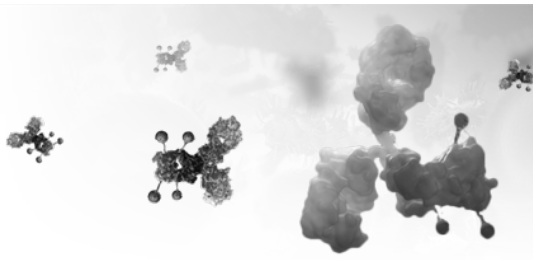

Mouse PIK3CA blocking peptide (CDBP2303)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PIK3CA/P110alpha antibody
Antigen Description	Phosphatidylinositol 3-kinase is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. The protein encoded by this gene represents the catalytic subunit, which uses ATP to phosphorylate PtdIns, PtdIns4P and PtdIns(4,5)P2. This gene has been found to be oncogenic and has been implicated in cervical cancers. [provided by RefSeq, Jul 2008]
Species	Mouse
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	Pik3ca phosphatidylinositol 3-kinase, catalytic, alpha polypeptide [Mus musculus]
Official Symbol	PIK3CA
Synonyms	PIK3CA; phosphatidylinositol 3-kinase, catalytic, alpha polypeptide; phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha isoform; PI3Kalpha; PI3K-alpha; PI3-kinase subunit alpha; ptdIns-3-kinase subunit alpha; ptdIns-3-kinase subunit p110-alpha; serine/threonine protein kinase PIK3CA; phosphoinositide-3-kinase catalytic alpha polypeptide;

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	phosphatidylinositol-4,5-bisphosphate 3-kinase 110 kDa catalytic subunit alpha; p110; caPI3K; p110alpha; 6330412C24Rik; MGC161268;
Entrez Gene ID	18706
mRNA Refseq	NM_008839
Protein Refseq	NP_032865
Pathway	3-phosphoinositide biosynthesis, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem;
Function	1-phosphatidylinositol-3-kinase activity; 1-phosphatidylinositol-3-kinase activity; ATP binding; binding; insulin receptor substrate binding; kinase activity; nucleotide binding; phosphatidylinositol 3-kinase activity; phosphatidylinositol-4,5-bisphosphat

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