Product Name: PIK3CA H1047R Mouse Monoclonal Antibody
Catalog #: AMM22166
For research use only.

Summary

Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2b,Kappa
Clonality	Monoclonal
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Purification	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.

Application

Dilution Ratio	IHC 1:50-200;ELISA 1:500-5000
Molecular Weight	Calculated MW:124kDa,Observed MW:124kDa

Antigen Information

Gene Name	PIK3CA
Alternative Names	5-bisphosphate 3-kinase 110 kDa catalytic subunit alpha;5-bisphosphate 3-kinase catalytic subunit alpha isoform;caPI3K;CLOVE;CWS5;MCAP;MCM;MCMTC;MGC142161;MGC142163;p110 alpha;p110alpha;Phosphatidylinositol 3 kinase catalytic alpha polypeptide;Phosphatidylinositol 3 kinase catalytic 110 KD alpha;Phosphatidylinositol 4 5 bisphosphate 3 kinase catalytic subunit alpha;Phosphatidylinositol 4 5 bisphosphate 3 kinase catalytic subunit alpha isoform;Phosphatidylinositol 4,5 bisphosphate 3 kinase 110 kDa catalytic subunit alpha;Phosphatidylinositol-4;Phosphoinositide 3 kinase catalytic alpha polypeptide;PI 3 Kinase catalytic subunit alpha;PI3 kinase p110 subunit alpha;PI3-kinase

	subunit alpha;PI3K;PI3K-alpha;PI3KC A;PIK3C A;Pik3ca;PK3CA;PK3CA_HUMAN;PtdIns 3 kinase p110;PtdIns-3-kinase subunit alpha;PtdIns-3-kinase subunit p110-alpha;Serine/threonine protein kinase PIK3CA
Gene ID	Human:5290,Mouse:18706,Rat:18706
SwissProt ID	Human:P42336,Mouse:P42337
Immunogen	Synthesized peptide derived from human PIK3CA H1047R AA range: 1000-1068

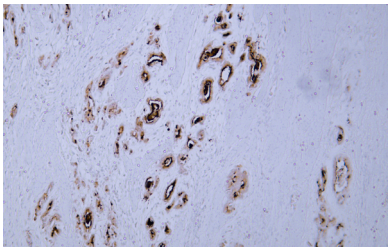
Background

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. A pseudogene of this gene has been defined on chromosome 22. [provided by RefSeq, Apr 2016],

Research Area

Pathology

Image Data



Human gastric adenocarcinoma tissue was stained with Anti-PIK3CA H1047R Antibody