

## Product datasheet for **AM06736PU-N**

### PI 3 Kinase catalytic subunit alpha (PIK3CA) Mouse Monoclonal Antibody [Clone ID: 4F3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	4F3
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Immunofluorescence:</b> 1/200 - 1/1000. <b>Flow Cytometry:</b> 1/200 - 1/400.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human PIK3CA expressed in E. Coli.
Specificity:	Recognizes PIK3CA
Formulation:	PBS State: Purified State: Liquid purified antibody Stabilizer: 0.5% protein stabilizer Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	124 kDa
Gene Name:	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha
Database Link:	<a href="#">Entrez Gene 5290 Human P42336</a>

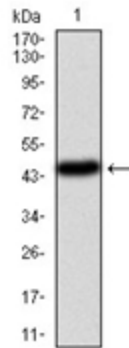


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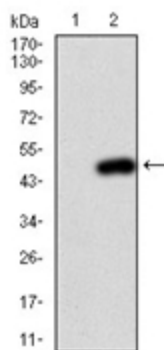
**Background:** Phosphatidylinositol 3-kinase is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. The protein encoded by this gene represents the catalytic subunit, which uses ATP to phosphorylate PtdIns, PtdIns4P and PtdIns(4,5)P2. This gene has been found to be oncogenic and has been implicated in cervical cancers.

**Synonyms:** PIK3CA, EC=2.7.1.153, PI3-kinase p110 subunit alpha, PtdIns-3-kinase p110, PI3K

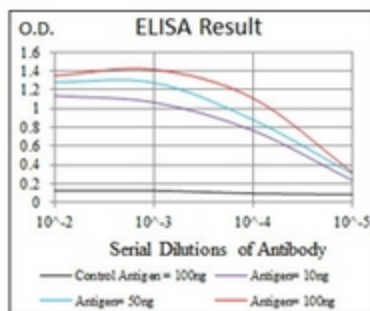
**Product images:**

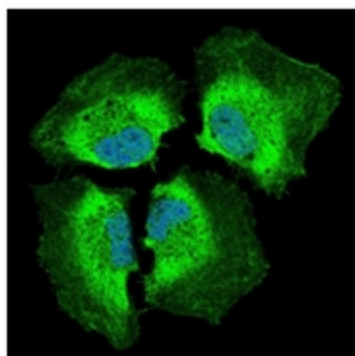


Western blot analysis using PIK3CA antibody against human PIK3CA (AA: 881-1068) recombiant protein (Expected MW is 47.4 kDa)

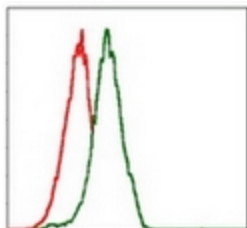


Western blot analysis using PIK3CA antibody against HEK293 (1) and PIK3CA (AA: 881-1068)-hlgFc transfected HEK293 (2) cell lysate.





Immunofluorescence analysis of HeLa cells using PIK3CA antibody (green). Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometric analysis of Jurkat cells using PIK3CA antibody (green) and negative control (red).