# PIK3CA Ab

Images(1)

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|---|---|---|
| Cat.#: BF0462 | Concn.: ~1mg/ml | Mol.Wt.: 110 kDa |
| Size: | Source: Mouse | Clonality: Monoclonal |

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| Application: | ELISA 1:10000, WB 1:500-1:2000, IF/ICC 1:200-1:1000, FCM 1:200-1:400<br>*The optimal dilutions should be determined by the end user. |
| Reactivity: | Human |
| Storage: | Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt. |
| Purification: | Affinity-chromatography. |
| Immunogen: | Purified recombinant fragment of human PIK3CA expressed in E. Coli. |
| Uniprot: | P42336 |
| 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. |

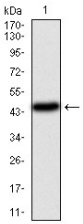


Figure 1: Western blot analysis using PIK3CA mAb against human PIK3CA (AA: 881-1068) recombinant protein. (Expected MW is 47.4 kDa)

*IMPORTANT:* For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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