

## PIK3CA Ab

[Images\(1\)](#)

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

**Application:** ELISA 1:10000, WB 1:500-1:2000, IF/ICC 1:200-1:1000, FCM 1:200-1:400  
**Reactivity:** \*The optimal dilutions should be determined by the end user.  
 Human

**Storage:** Mouse IgG1 in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), 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)P<sub>2</sub>. This gene has been found to be oncogenic and has been implicated in cervical cancers.

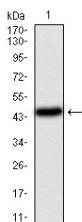


Figure 1: Western blot analysis using PIK3CA mAb against human PIK3CA (AA: 881-1068) recombinant protein. (Expected MW is 47.4 kDa)

**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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