

Product datasheet for **TA389190**

PIK3R1 Mouse Antibody [Clone ID: M253]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | M253 |
| Applications: | ICC, WB |
| Recommended Dilution: | WB: 1:1000 ICC: 1:100 |
| Reactivity: | Human, Rat, Mouse, Chicken |
| Host: | Mouse |
| Isotype: | IgG2a |
| Immunogen: | Clone M253 was generated from a recombinant protein corresponding to amino acids in the C-terminal region of human PI3 Kinase α subunit. This region is homologous to similar regions in rat and mouse PI3 Kinase α subunit. |
| Specificity: | This antibody detects an 85 kDa* band corresponding to the p85 subunit of PI3 Kinase in western blots of human A431 and Jurkat cells. |
| Formulation: | PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol |
| Concentration: | lot specific |
| Purification: | Protein A Purified |
| Conjugation: | Unconjugated |
| Storage: | Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C. |
| Stability: | After date of receipt, stable for at least 1 year at -20°C. |
| Predicted Protein Size: | 85 |
| Database Link: | P27986 |



[View online »](#)

Background:

Phosphoinositide 3-kinase (PI3K) phosphorylates phosphatidylinositol (PI), PI-4-phosphate and PI-4,5-bisphosphate to catalyze the production of PI-3,4,5-triphosphate. Growth factors and hormones activate PI3K to coordinate various cellular events, such as cell growth, cell cycle entry, cell migration and cell survival. This PI3K activation is reversed by PTEN. In cancers caused by the loss of PTEN activity, PI3K is constitutively active and promotes cell proliferation. PI3Ks are composed of a catalytic subunit and a regulatory subunit. Various isoforms of the catalytic subunit (p110a, p110b and p110d) associate with regulatory subunits (p85a and p85b) with the exception of p110g which interacts with a unique p101 regulatory subunit.

Note:

Protein G purified tissue culture supernatant.