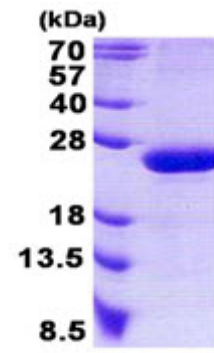


AR50790PU-S**Human RAP2B (1-183, His-tag) - Purified**

| | |
|--------------------------|---|
| Alternate names: | Rap-2b, Ras-related protein Rap-2b |
| Quantity: | 0.1 mg |
| Concentration: | 1 mg/ml (determined by Bradford assay) |
| Background: | Ras-related protein Rap-2b, also known as RAP2B, belongs to a family of RAS-related genes. Unlike normal ras proteins that have a nontransforming glutamine residue at aa 61, Rap2B has a threonine residue in that position. This change makes the intrinsic GTPase activity for Rap2B lower, thereby allowing it to exist in the activated state for a longer period of time than normal ras proteins. RAP2B is a platelet protein that is activated by thrombin and involved in platelet activation. RAP2B may be a novel candidate oncogene that plays important roles in carcinogenesis through activation of NF-kappaB pathway. |
| Uniprot ID: | P61225 |
| NCBI: | NP_002877 |
| GeneID: | 5912 |
| Species: | Human |
| Source: | E. coli |
| Format: | State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT |
| Description: | Recombinant human RAP2B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SSGLVPRGSH MGSMREYKVV VLGSGGVGKS ALTVQFVTGS FIEKYDPTIE DFYRKEIEVD SSPSVLEILD TAGTEQFASM RDLYIKNGQG FILVYSLVNQ QSFQDIKPMR DQIIRVKRYE RVPMILVGNK VDLEGEREVS YGEGKALAE WSCPFMETSA KNKASVDELF AEIVRQMNYA AQPNGDEGCC SACVIL Molecular weight: 22.9 kDa (206aa) confirmed by MALDI-TOF |
| Storage: | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| General Readings: | Culine S., et al. (1989) Int J Cancer. 44:990-994 Beranger F., et al. (1991) Oncogene. 6: 1835-1842. |

Pictures:



15% SDS-PAGE (3ug)