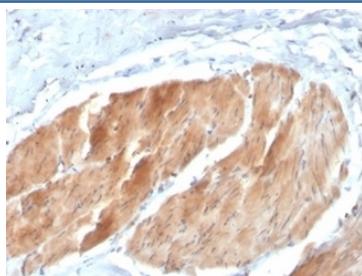


PIK3R2 / PI3K Antibody (p85 beta) [clone PIK3R2/1293] (V9712)

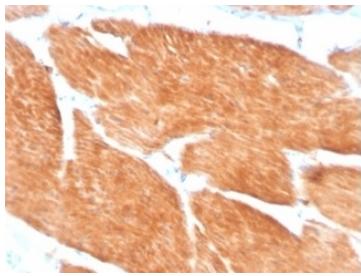
| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V9712-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9712-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V9712SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Bulk quote request

| | |
|--------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG2b, kappa |
| Clone Name | PIK3R2/1293 |
| Purity | Protein A/G affinity |
| UniProt | O00459 |
| Localization | Cytoplasm, Nucleus |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml |
| Limitations | This PIK3R2 antibody is available for research use only. |

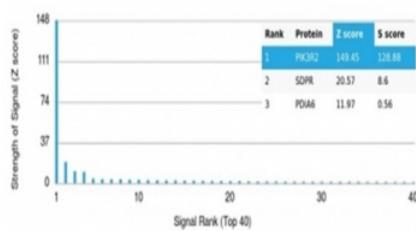


IHC staining of FFPE human bladder tissue with PIK3R2 antibody (clone PIK3R2/1293).
 HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using PIK3R2 antibody (clone PIK3R2/1293). These results demonstrate the foremost specificity of the PIK3R2/1293 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

Description

Phosphatidylinositol 3-kinase (PI 3-kinase) is composed of p85 and p110 subunits. p85 lacks PI 3-kinase activity and acts as an adapter, coupling p110 to activated protein tyrosine kinase. Two forms of p85 have been described (p85 heterotrimeric G proteins.

Application Notes

Optimal dilution of the PIK3R2 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 520-720 was used as the immunogen for the PIK3R2 antibody.

Storage

Aliquot the PIK3R2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.