

PIK3R2 Recombinant Mouse mAb

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Catalog # AP94425

Product Information

Application	WB, IHC-P, IHC-F, IF
Host	Rabbit
Clonality	Recombinant
Calculated MW	82 KDa
Physical State	Liquid
Isotype	IgG1, Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the PI3K p85 subunit family. Contains 1 Rho-GAP domain. Contains 2 SH2 domains. Contains 1 SH3 domain.
SUBUNIT	Heterodimer of a regulatory subunit PIK3R2 and a p110 catalytic subunit (PIK3CA, PIK3CB or PIK3CD). Interacts with AXL. Interacts with FLT1 (tyrosine-phosphorylated) and FLT4 (tyrosine-phosphorylated). Interacts with NYAP1, NYAP2 and MYO16.
Post-translational modifications	Phosphorylated in response to signaling from activated receptor-type protein kinases. Dephosphorylated by PTPRJ.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Phosphatidylinositol 3-kinase (PI3K) is a lipid kinase that phosphorylates phosphatidylinositol and similar compounds, creating second messengers important in growth signaling pathways. PI3K functions as a heterodimer of a regulatory and a catalytic subunit. The protein encoded by this gene is a regulatory component of PI3K. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Dec 2012]

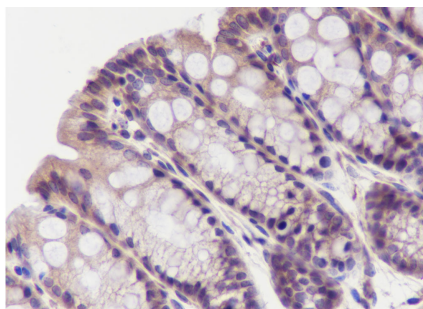
Additional Information

Dilution	WB=1:200-1:1000,IHC-P=1:100-500,IHC-F=,IF=0
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

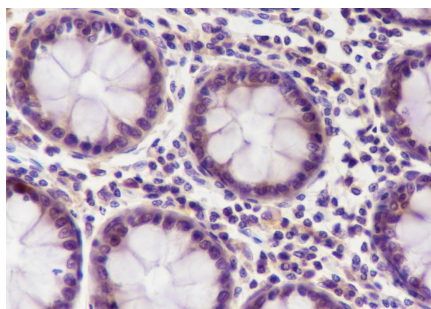
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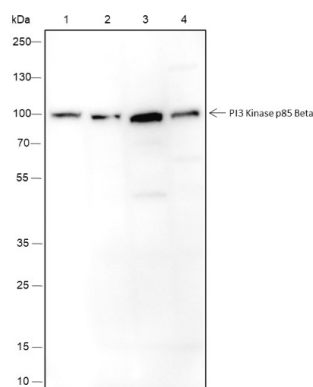
Images



Tissue: Mouse colon Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100 Primary Ab incubation condition: 1 hour at room temperature Counter stain: Hematoxylin Comment: Color brown is the positive signal for AP94425



Tissue: Human colon Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100 Primary Ab incubation condition: 1 hour at room temperature Counter stain: Hematoxylin Comment: Color brown is the positive signal for AP94425



Blocking buffer: 5% NFDm/TBST Primary Ab dilution: 1:1000 Primary Ab incubation condition: 4°C overnight Lysate: 1: LnCap, 2: K562, 3: NIH/3T3, 4: BRL Protein loading quantity: 20 µg Exposure time: 60 s Predicted MW: 85 kDa Observed MW: 85 kDa

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