

产品名称: PIK3CA Mouse Monoclonal Antibody
产品货号: AMM83003



产品概述 (Summary)

产品名称 (Production Name)	PIK3CA Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	IHC, ICC, ELISA, FC
种属反应性 (Reactivity)	Human, Mouse, Rat, Rabbit

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG2a
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PIK3CA
别名 (Alternative Names)	PI3K; p110-alpha
基因 ID (Gene ID)	5290.0
蛋白 ID (SwissProt ID)	P42336.

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:200-1:1000, ICC 1:200-1:1000, ELISA 1:5000-1:20000, FC 1:200-1:400
蛋白分子量 (Molecular Weight)	124kDa

研究背景 (Background)

PIK3CA is the most mutated gene in breast cancer and is important in other cancers. An integral part of the PI3K pathway, PIK3CA is an oncogene with two hotspots for activating mutations: the 542/545 region of the helical domain and the 1047

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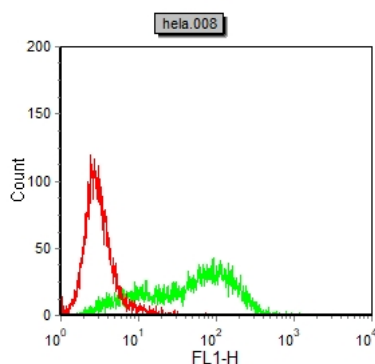


region of the kinase domain. The interaction of PIK3CA with the AKT and mTOR pathways is the subject of an immense amount of research and development, and PI3K inhibitors have exhibited some success in recent clinical trials. While PI3K monotherapies are likely insufficient, there is interest in pursuing PI3K inhibition in combination with other therapies including TKI's, MEK inhibitors, PARP inhibitors, and - in breast cancer - aromatase inhibitors.

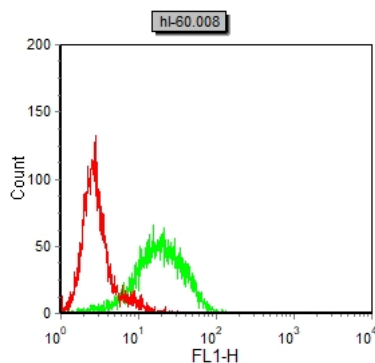
研究领域 (Research Area)

PI3K-Akt signaling pathway

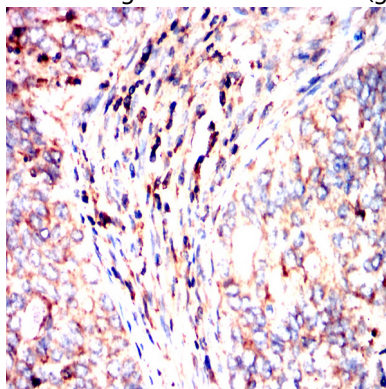
图片 (Image Data)



Flow cytometric analysis of HELA cells using PIK3CA mouse mAb (green) and negative control (red).



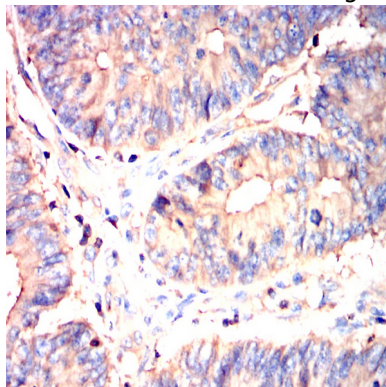
Flow cytometric analysis of HL-60 cells using PIK3CA mouse mAb (green) and negative control (red).



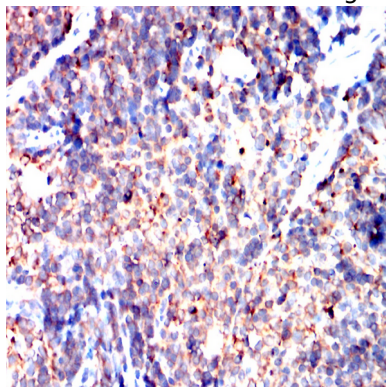
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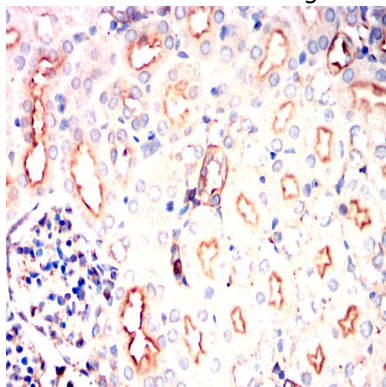
Immunohistochemical analysis of paraffin-embedded human cervical cancer showing cytoplasmic localization using PIK3CA mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human colon cancer showing cytoplasmic localization using PIK3CA mouse mAb with DAB staining.

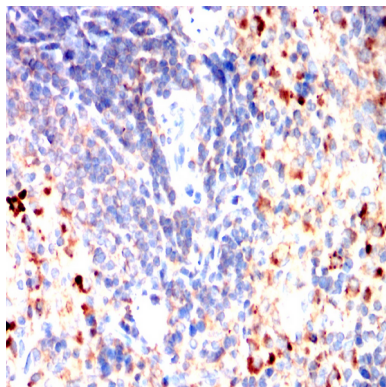


Immunohistochemical analysis of paraffin-embedded mouse spleen showing cytoplasmic localization using PIK3CA mouse mAb with DAB staining.

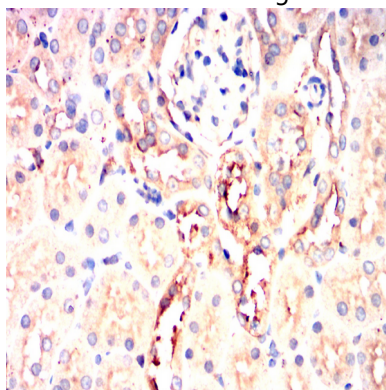


Immunohistochemical analysis of paraffin-embedded mouse kidney showing cytoplasmic localization using PIK3CA mouse mAb with DAB staining.

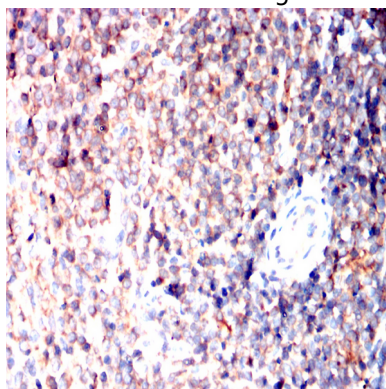
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Immunohistochemical analysis of paraffin-embedded rat spleen showing cytoplasmic localization using PIK3CA mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rat kidney showing cytoplasmic localization using PIK3CA mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rabbit spleen showing cytoplasmic localization using PIK3CA mouse mAb with DAB staining.

注意事项 (Note)

For research use only .