

PIK3C2G Polyclonal Antibody

Catalog NumberPA5-15239

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Published species	Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	KLH conjugated synthetic peptide between 93-123 amino acids from the N-terminal region of human PI3KC2G	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
		Western Blot (WB)	1:1,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Size-exclusion - Dialysis, Ammonium sulfate precipitation		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

PIK3C2G lipid kinase belongs to the phosphoinositide 3-kinase (PI3K) family which play major roles in signaling pathways and are involved in cell proliferation, oncogenic transformation, cell survival, cell migration, and intracellular protein trafficking. PIK3C2G contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases that act as calcium-dependent phospholipid binding motifs which mediate translocation of proteins to membranes, and may also mediate protein-protein interactions. The N-terminal region of PIK3C2G and the C-terminal C2 domain are required for enzymatic activity. The PI 3-kinase C2gamma gene encodes a 1,050 amino acid polypeptide with 36% identity to human PI 3-kinase C2alpha. Research indicates that PI 3-kinase C2gamma can block the growth of human colon cancer cells.

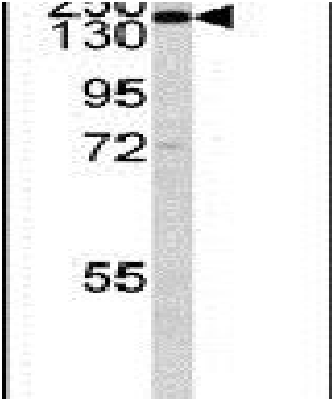
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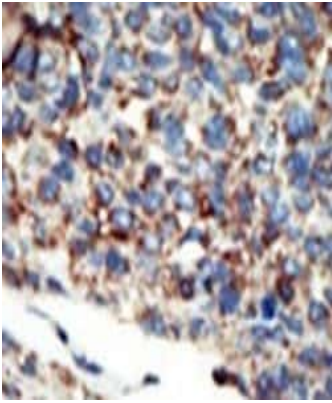
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Product Images For PIK3C2G Polyclonal Antibody



PIK3C2G Antibody (PA5-15239) in WB
Western blot analysis using a PI3KC2G polyclonal antibody (Product # PA5-15239) in CEM cell lysates (35 µg per lane).



PIK3C2G Antibody (PA5-15239) in IHC (P)
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human cancer tissue using a PI3KC2G polyclonal antibody (Product # PA5-15239), followed by HRP-conjugated secondary antibody and AEC staining.

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