

ARG55111 anti-APC5 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes APC5
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	APC5
Species	Human
Immunogen	Synthetic peptide (17 aa) within aa. 480-530 of Human Apc5 protein.
Conjugation	Un-conjugated
Alternate Names	Anaphase-promoting complex subunit 5; Cyclosome subunit 5; APC5

Application Instructions

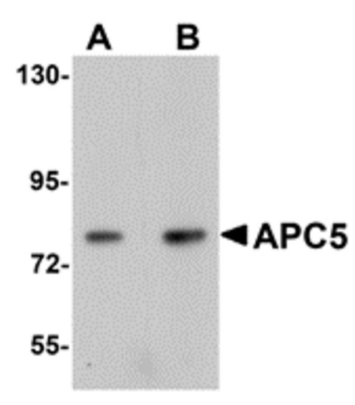
Application table	Application	Dilution
	ELISA	Assay-dependent
	ICC/IF	20 µg/ml
	IHC-P	Assay-dependent
	WB	1 - 2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human Kidney Tissue Lysate	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

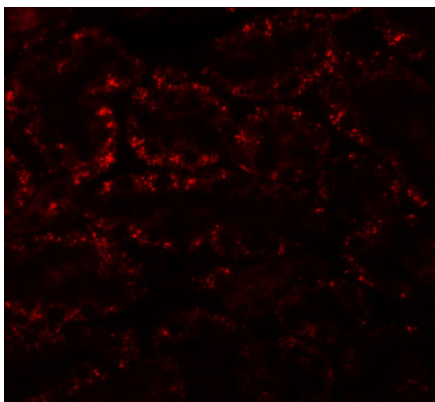
Note	For laboratory research only, not for drug, diagnostic or other use.
Bioinformation	
Gene Symbol	ANAPC5
Gene Full Name	anaphase promoting complex subunit 5
Background	APC5 Antibody: Cell cycle regulated protein ubiquitination and degradation within subcellular domains is thought to be essential for the normal progression of mitosis. APC5 is a highly conserved component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. APC/C is responsible for degrading anaphase inhibitors, mitotic cyclins, and spindle-associated proteins ensuring that events of mitosis take place in proper sequence. The individual APC/C components mRNA and protein levels are expressed at approximately the same levels in most tissues and cell lines, suggesting that they perform their functions as part of a complex. While little is known of APC5, it is thought that APC5 associates with other APC/C components APC1, APC4, and CDC23 interdependently, such that loss of any one subunit reduces binding between the remaining three.
Function	Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains. [UniProt]
Research Area	Cell Biology and Cellular Response antibody
Calculated Mw	85 kDa

Images



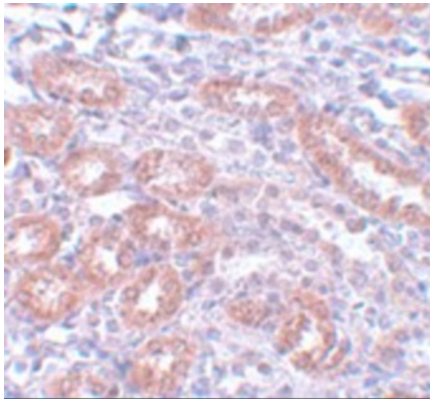
ARG55111 anti-APC5 antibody WB image

Western blot: Human kidney tissue lysate stained with ARG55111 anti-APC5 antibody at (A) 1 and (B) 2 ug/ml dilution.



ARG55111 anti-APC5 antibody IHC image

Immunohistochemistry: APC5 in Rat kidney tissue stained with ARG55111 anti-APC5 antibody at 20 ug/ml dilution.



ARG55111 anti-APC5 antibody IHC image

Immunohistochemistry: APC5 in Rat kidney tissue stained with ARG55111 anti-APC5 antibody at 5 ug/ml dilution.