

ARG54433 anti-ARTS antibody

Package: 50 µg

Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ARTS
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	This antibody recognizes human ARTS (Apoptosis Related Protein in TGF- Signaling Pathway), a novel mito-chondrial septin-like protein. ARTS translocates to the cell nucleus when apoptosis occurs. It enhances apoptosis induced by TGF- and other inducers of apoptosis, such as TNF- and Fas ligand.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ARTS
Species	Human
Immunogen	Synthetic peptide around aa. 3-14 of Human ARTS.
Conjugation	Un-conjugated
Alternate Names	Apoptosis-related protein in the TGF-beta signaling pathway; PNUTL2; ARTS; Peanut-like protein 2; Cell division control-related protein 2; CE5B3; Brain protein H5; CE5B3 beta; Septin-4; BRADEION; H5; MART; Bradeion beta; hucep-7; hCDCREL-2; SEP4; Cerebral protein 7

Application Instructions

Application table	Application	Dilution
	IHC-P	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human lung, kidney and spleen	

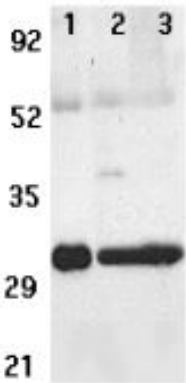
Properties

Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
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.

Bioinformation

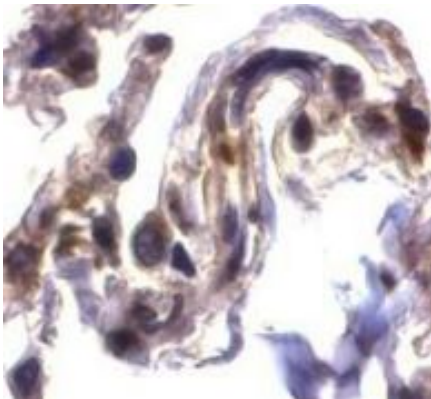
Database links	GeneID: 5631 Human Swiss-port # P60891 Human
Gene Symbol	SEPT4
Gene Full Name	septin 4
Background	This gene is a member of the septin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, Drosophila, and mouse, and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. This gene is highly expressed in brain and heart. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. One of the isoforms (known as ARTS) is distinct; it is localized to the mitochondria, and has a role in apoptosis and cancer. [provided by RefSeq, Nov 2010]
Function	Filament-forming cytoskeletal GTPase (By similarity). May play a role in cytokinesis (Potential). May play a role in platelet secretion. Isoform ARTS, but not the other isoforms, is required for the induction of cell death mediated by TGF-beta and by other apoptotic stimuli. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Gene Regulation antibody; Metabolism antibody
Calculated Mw	55 kDa

Images



ARG54433 anti-ARTS antibody WB image

Western Blot: 1:human lung; 2:spleen; 3:kidney stained with ARG54433 anti-ARTS antibody at 2 µg/ml dilution.



ARG54433 anti-ARTS antibody IHC image

Immunohistochemistry: human lung tissue stained with ARG54433 anti-ARTS antibody at 2 µg/ml dilution.