

Anti-SEPT4 antibody



Description	Unconjugated Rabbit polyclonal to 38231
Model	STJ193029
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Gene ID	5414
Gene Symbol	38231
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	SEPT4 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Widely expressed in adult and fetal tissues with highest expression in adult brain (at protein level), heart, liver and adrenal gland and fetal heart, kidney, liver and lung. Also expressed in colorectal cancers and malignant melanomas. Expressed in platelets.
Purification	SEPT4 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Septin-4 Apoptosis-related protein in the TGF-beta signaling pathway ARTS Bradeion beta Brain protein H5 CE5B3 beta Cell division control-related protein 2 hCDCREL-2 Cerebral protein 7 Peanut-like prot
Molecular Weight	52 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9165OMIM:603696
Alternative Names	Septin-4 Apoptosis-related protein in the TGF-beta signaling pathway ARTS Bradeion beta Brain protein H5 CE5B3 beta Cell division control-related protein 2 hCDCREL-2 Cerebral protein 7 Peanut-like prot
Function	Filament-forming cytoskeletal GTPase . May play a role in cytokinesis (Potential). Forms a filamentous structure with SEPT12, SEPT6, SEPT2 and probably SEPT4 at the sperm annulus which is required for the structural integrity and motility of the sperm tail during postmeiotic differentiation . 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.
Cellular Localization	Cytoplasm Cytoplasm, cytoskeleton Cell projection, cilium, flagellum. In platelets, found in areas surrounding alpha-granules. Found in the sperm annulus . Isoform ARTS: Mitochondrion. Nucleus. While predominantly localized in the mitochondria under resting conditions, isoform ARTS translocates into the nucleus after TGF-beta treatment and apoptosis induction.