

SEPT4

Synthetic Human Septin 4 (aa 3-14) Blocking Peptide

Catalog No.	PX226BP	Quantity:	50 µg
Alternate Names:	ARTS, BRADEION, CE5B3, H5, MART, PNUTL2, SEP4, hCDCREL-2, hucep-7, cell division control-related protein 2, cerebral protein 7, peanut-like 2, septin-M		
Description:	SEPT4 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, <i>Drosophila</i> , 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.		
Gene ID:	5414		
Application:	The peptide is used for blocking the antibody activity of ARTS. The peptide with equal volume of antibody for 30 min at 37°C usually completely blocks the antibody activity in Western blotting.		
Formulation:	It is supplied as 200 µg/ml, 50 µg/vial, in PBS pH7.2 (10 mM NaH ₂ PO ₄ , 10 mM, Na ₂ HPO ₄ , 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Sequence:	KRFLEDTTDDGE		
Storage & Stability:	Store at -20°C, stable for one year.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

