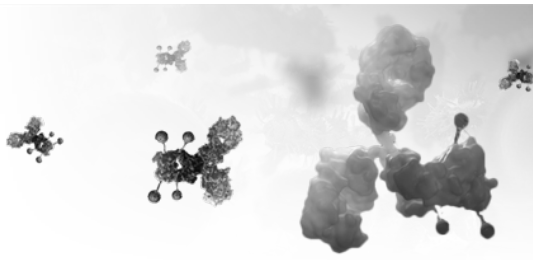

Human SEPT4 blocking peptide (DAG-P0110)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
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 plate
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the septin family.
Format	Liquid
Buffer	PBS with 0.1% BSA 0.02% sodium azide pH7.2
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. PBS with 0.1% BSA 0.02% sodium azide pH7.2

GENE INFORMATION

Gene Name	SEPT4 septin 4 [Homo sapiens (human)]

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Official Symbol	SEPT4
Synonyms	SEPT4; septin 4; H5; ARTS; MART; SEP4; CE5B3; PNUTL2; hucep-7; BRADEION; hCDCREL-2; septin-4; septin-M; CE5B3 beta; bradeion beta; brain protein H5; cerebral protein 7; peanut-like protein 2; cell division control-related protein 2; apoptosis-related protein in the TGF-beta signaling pathway;
Entrez Gene ID	5414
mRNA Refseq	NM_001198713.1
Protein Refseq	NP_001185642.1
UniProt ID	O43236
Chromosome Location	17q22
Pathway	Apoptosis Modulation and Signaling, organism-specific biosystem;
Function	GTP binding; GTPase activity; protein binding; structural molecule activity;

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