



Human DAP3 blocking peptide (CDBP0961)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-DAP3 antibody
Antigen Description	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that also participates in apoptotic pathways which are initiated by tumor necrosis factor-alpha, Fas ligand, and gamma interferon. This protein potentially binds ATP/GTP and might be a functional partner of the mitoribosomal protein S27. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. Pseudogenes corresponding to this gene are found on chromosomes 1q and 2q.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	DAP3 death associated protein 3 [Homo sapiens]
Official Symbol	DAP3
Synonyms	DAP3; death associated protein 3; 28S ribosomal protein S29, mitochondrial; bMRP 10; DAP 3; DKFZp686G12159; MGC126058; MGC126059; mitochondrial 28S ribosomal protein S29; MRP S29; MRPS29; S29mt; death-associated protein 3; ionizing radiation resistance conferring protein; DAP-3; MRP-S29; bMRP-10; FLJ12817;
Entrez Gene ID	7818
mRNA Refseq	NM_001199849
Protein Refseq	NP_001186778
UniProt ID	P51398
Chromosome Location	1q22
Pathway	TRAIL signaling pathway, organism-specific biosystem;
Function	protein binding;