



Mouse anti-Human DAP3 monoclonal antibody, clone 4C8 (CABT-B10064)

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

PRODUCT INFORMATION

Immunogen	DAP3 (NP_004623, 237 a.a. ~ 344 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4C8
Conjugate	Unconjugated
Applications	WB, ELISA
Sequence Similarities	TDAVGIVLKELKRQSSLGMFHLLVADGINALWGRTTLKREDKSPIAPEELALVHNLRKM MKNDWHGGAIVSALSQTGSLFKPRKAYLPQELLGKEGFDALDPFIPI*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small
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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. [provided by RefSeq, Dec 2010]

Keywords	DAP3; death associated protein 3; DAP-3; MRPS29; MRP-S29; bMRP-10; 28S ribosomal protein S29, mitochondrial; S29mt; death-associated protein 3; mitochondrial 28S ribosomal protein S29; ionizing radiation resistance conferring protein;
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GENE INFORMATION

Entrez Gene ID	7818
UniProt ID	P51398
Pathway	TRAIL signaling pathway, organism-specific biosystem
Function	protein binding
