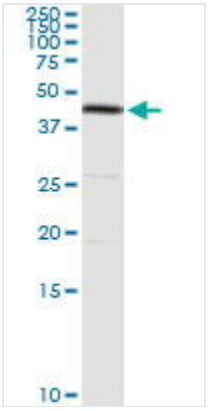
DAP3 Antibody – Rabbit Polyclonal

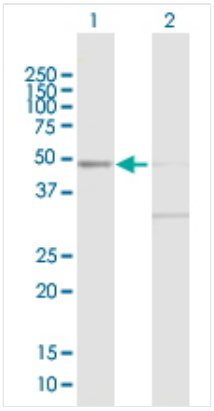
PRODUCT OVERVIEW

Product Name	DAP3, Polyclonal Antibody
Full Product Name	DAP3 (Death Associated Protein 3, DAP-3, DKFZp686G12159, MGC126058, MGC126059, MRP-S29, MRPS29, bMRP-10) (FITC)
Product Gene Name	anti-DAP3 antibody
Product Synonym Names	Death Associated Protein 3; DAP-3; DKFZp686G12159; MGC126058; MGC126059; MRP-S29; MRPS29; bMRP-10
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified
Specificity	Recognizes human DAP3.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
OMIM	602074
3D Structure	ModBase 3D Structure for P51398
Immunogen	DAP3 (NP_004623.1, 1aa-398aa) full-length human protein.
Immunogen Sequence	MMLKGITRLISRIHKLDPGRFLHMGTQARQSIAAHLDNQVPVESPRAISRTNENDPAKHGDQHEGQHYNISPQDLETVFPHGLPPRFVMQVKTFSEACLM
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-DAP3 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-DAP3 antibody	Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-DAP3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-DAP3 antibody	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribos biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that also participates in apo

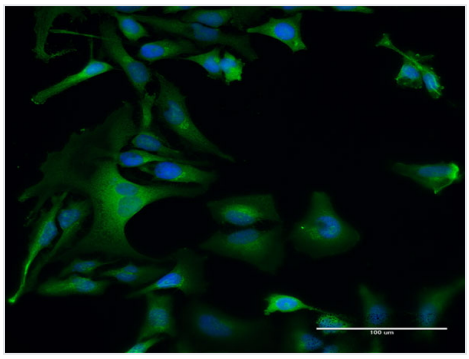
Other Notes	Small volumes of anti-DAP3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa
Searchable Terms for DAP3 purchase	MBS6450797 is an antibody targeting DAP3. Also known as DAP3 (Death Associated Protein 3, DAP-3, DKFZp686G12159, MGC126058, MGC12605



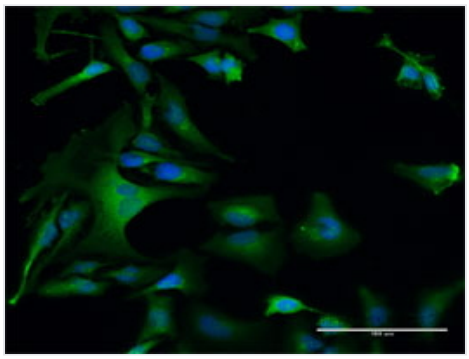
Western Blot (WB) of anti-DAP3 antibody
DAP3 MaxPab rabbit polyclonal antibody. Western Blot analysis of DAP3 expression in Jurkat.



Western Blot (WB) of anti-DAP3 antibody
Western Blot analysis of DAP3 expression in transfected 293T cell line by DAP3 MaxPab polyclonal antibody.Lane 1: DAP3 transfected lysate(45.6 KDa).Lane 2: Non-transfected lysate.



Immunofluorescence (IF) of anti-DAP3 antibody
Immunofluorescence of purified antibody to DAP3 on HeLa cell. [antibody concentration 30 ug/ml]



Immunofluorescence (IF) of anti-DAP3 antibody
Immunofluorescence of purified antibody to DAP3 on HeLa cell. [antibody concentration 30 ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DAP3. It may not necessarily be applicable to this product.

NCBI GI #	4758118
NCBI GeneID	7818
NCBI Accession #	NP_004623.1
UniProt Primary Accession #	P51398
UniProt Related Accession #	P51398
GenBank Nucleotide #	NP_004623.1
NCBI Official Full Name	28S ribosomal protein S29, mitochondrial isoform 1
NCBI Official Synonym Full Names	death associated protein 3
NCBI Official Symbol	DAP3
NCBI Official Synonym Symbols	DAP-3; S29mt; MRPS29; MRP-S29; bMRP-10
UniProt Protein Name	28S ribosomal protein S29, mitochondrial

UniProt Synonym Protein Names	Death-associated protein 3; DAP-3; Ionizing radiation resistance conferring protein
Protein Family	28S ribosomal protein
UniProt Gene Name	DAP3
UniProt Synonym Gene Names	MRPS29; MRP-S29; S29mt; DAP-3
UniProt Entry Name	RT29_HUMAN
NCBI Protein Information	28S ribosomal protein S29, mitochondrial
NCBI Summary for DAP3	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. [provided by RefSeq, Dec 2010]
UniProt Comments for DAP3	DAP3: Involved in mediating interferon-gamma-induced cell death. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Nuclear receptor co-regulator; Apoptosis; Mitochondrial Chromosomal Location of Human Ortholog: 1q22 Cellular Component: nucleoplasm; small ribosomal subunit; mitochondrion; mitochondrial inner membrane; mitochondrial ribosome; nucleolus; nucleus Molecular Function: protein binding Biological Process: apoptotic mitochondrial changes; mitochondrial translation; organelle organization and biogenesis
Research Articles on DAP3	**1.** DAP3 plays important roles in mitochondrial function and dynamics
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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