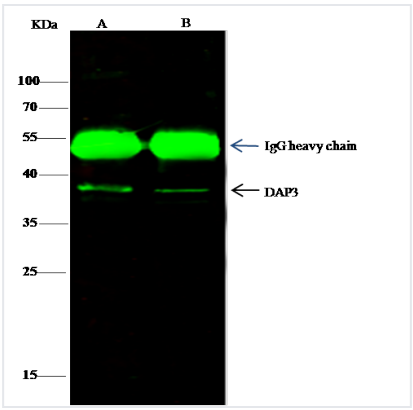
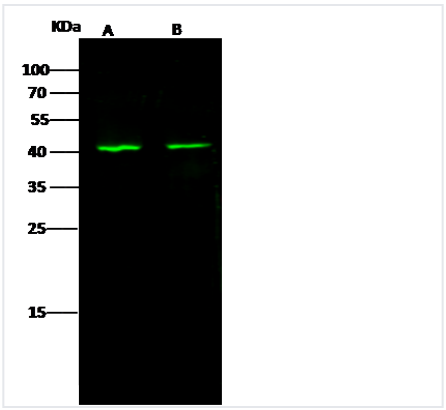
DAP3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DAP3, Polyclonal Antibody
Full Product Name	Anti-DAP3 Antibody, Rabbit Polyclonal
Product Gene Name	anti-DAP3 antibody
Product Synonym Names	DAP3 Antibody, Rabbit PAb, Antigen Affinity Purified; death associated protein 3; Anti-bMRP-10 Antibody; Anti-DAP-3 Antibody; Anti-MRP-S29 Antibody; Anti-MRPS29 Antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; 0.2um filtered solution in PBS
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human DAP3
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Molecular Weight	398
OMIM	602074
3D Structure	ModBase 3D Structure for P51398
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human DAP3
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human DAP3, and purified by antigen affinity chromatography.
Applications Tested/Suitable for anti-DAP3 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-DAP3 antibody	WB: 1:500-1:2000 IP: 4-8uL/mg of lysate
Related Product Information for anti-DAP3 antibody	MBS8100777 is an antibody targeting DAP3. Also known as Anti-DAP3 Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.
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 necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunoprecipitation (IP) of anti-DAP3 antibody
DAP3 was immunoprecipitated using:Lane A:0.5 mg 293T Whole Cell LysateLane B:0.5 mg Jurkat Whole Cell Lysate4 uL anti-DAP3 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-DAP3 rabbit polyclonal antibody,at 1:100 dilution Secondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique.Performed under reducing conditions.Predicted band size: 46 kDaObserved band size: 40 kDa



Western Blot (WB) of anti-DAP3 antibody
Anti-DAP3 rabbit polyclonal antibody at 1:500 dilutionLane A: 293T Whole Cell LysateLane B: Jurkat Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight 800) at 1/10000 dilution.Developed using the Odyssey technique. Performed under reducing conditions.Predicted band size:46 kDaObserved band size:40 kDa

ADDITIONAL DETAILS

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

NCBI GI #	1706299
NCBI GeneID	7818
NCBI Accession #	P51398.1
UniProt Primary Accession #	P51398
UniProt Secondary Accession #	Q13044; Q68CT7; Q96Q20; B4DP59; B4DY62; E7EM60
UniProt Related Accession #	P51398
NCBI Official Full Name	28S ribosomal protein S29, mitochondrial
NCBI Official Synonym Full Names	death associated protein 3
NCBI Official Symbol	DAP3
NCBI Official Synonym Symbols	DAP-3; 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; S29mt; death-associated protein 3; mitochondrial 28S ribosomal protein S29; ionizing radiation resistance conferring protein

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.** Knockdown of DAP3 expression promoted cell migration.
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