

Product datasheet for **TA302460**

DAP3 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	ELISA: 1:16,000; WB: 1-3 ug/ml; ICC: 3-10ug/ml
Reactivity:	Human
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence NPSLLERHCAYL, from the C Terminus of the protein sequence according to NP_387506.1; NP_004623.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	49193 Da
Gene Name:	death associated protein 3
Database Link:	NP_387506 Entrez Gene 7818 Human P51398



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Background:

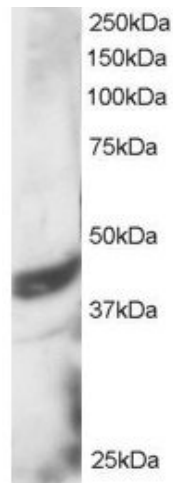
Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic 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- α , Fas ligand, and gamma interferon. This protein potentially binds ATP/GTP and might be a functional partner of the mitoribosomal protein S27. Splice variants that differ in the 5' UTR have been found for this gene; both variants encode the same protein. Pseudogenes corresponding to this gene are found on chromosomes 1q and 2q. [provided by RefSeq]

Synonyms:

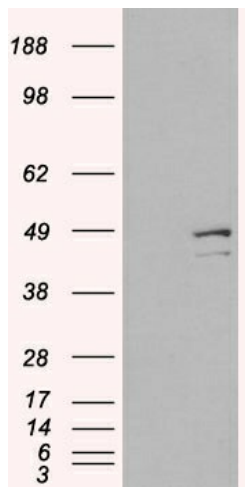
bMRP-10; DAP-3; MRP-S29; MRPS29

Protein Families:

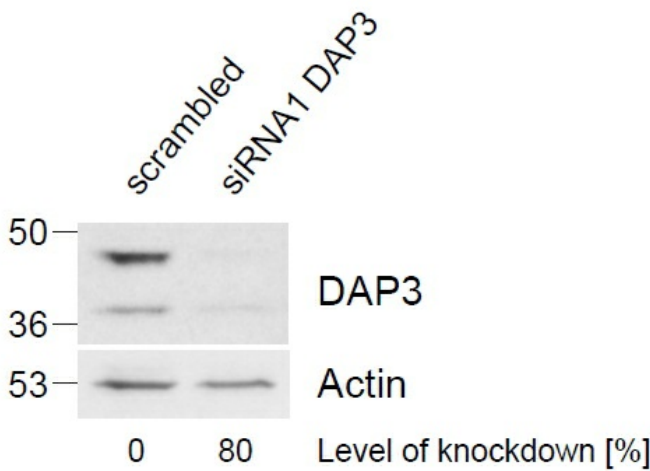
Druggable Genome

Product images:

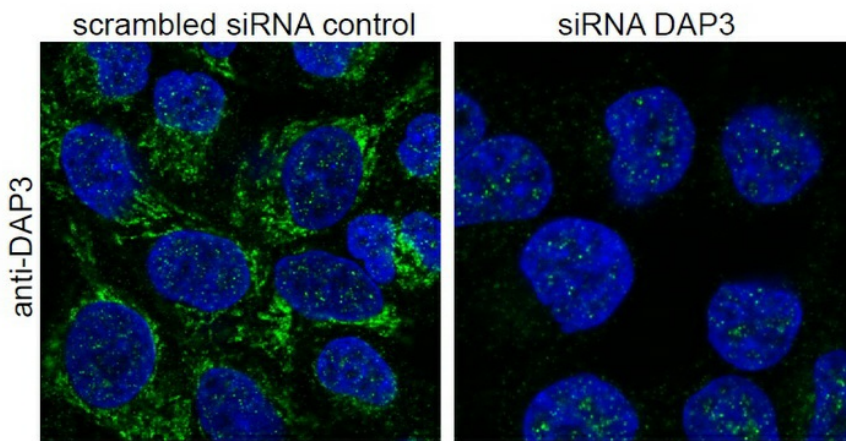
TA302460 staining (3 μ g/ml) of HeLa lysate (RIPA buffer, 30 μ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



HEK293 overexpressing DAP3 (Cat# [RC223182]) and probed with TA302460 (mock transfection in first lane), tested by Origene.



TA302460 (1ug/ml) staining of HeLa lysate (control in left lane and after si-RNA-mediated DAP3 knock-down expression in right lane) (35ug protein in RIPA buffer). Level of knock-down relative to Actin expression level was determined by RT-PCR. Primary incubation was 1 hour. Detected by chemiluminescence.



TA302460 (0.5ug/ml) staining of guanidinium thiocyanate-treated HeLa before (left) and after (right) si-RNA-mediated DAP3 knock-down expression. Primary incubation 1h at ambient temp. Detection by DyLight 488. Nuclear DAPI stain.