

ARG63209 anti-DAP3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DAP3
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Specificity	This antibody is expected to recognise isoform 1 (NP_387506.1), isoform 2 (NP_001186779.1) and isoform 3 (NP_001186780.1). Reported variants represent identical protein (NP_387506.1; NP_004623.1; NP_001186778.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	DAP3
Species	Human
Immunogen	NPSLLERHCAYL
Conjugation	Un-conjugated
Alternate Names	Ionizing radiation resistance conferring protein; 28S ribosomal protein S29, mitochondrial; Death-associated protein 3; MRPS29; bMRP-10; DAP-3; S29mt; MRP-S29

Application Instructions

Application table	Application	Dilution
	ICC/IF	10 µg/ml
	IHC-P	Assay - dependent
	WB	0.1 - 1 µg/ml
	Application Note	
		WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

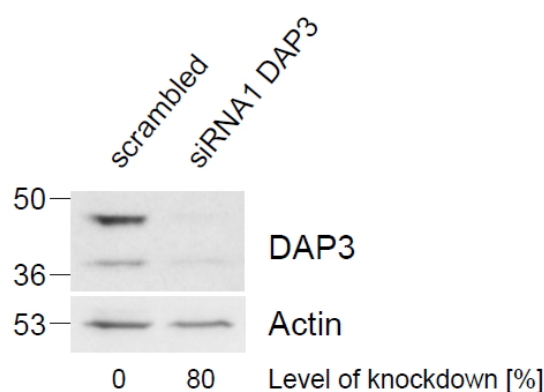
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

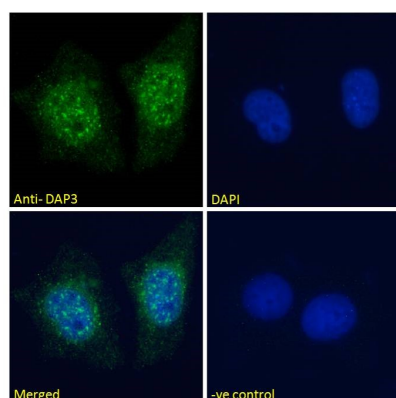
Database links	GeneID: 7818 Human Swiss-port # P51398 Human
Background	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have 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-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]
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody; Gene Regulation antibody; Metabolism antibody
Calculated Mw	46 kDa

Images



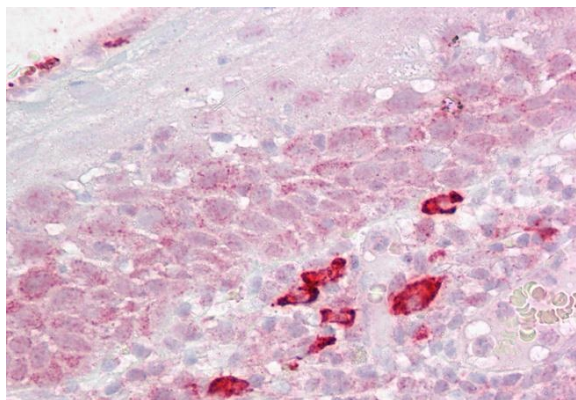
ARG63209 anti-DAP3 antibody WB image

Western Blot: HeLa lysate (control in left lane and after si-RNA-mediated DAP3 knock-down expression in right lane) (35 µg protein in RIPA buffer) Level of knock-down relative to Actin expression level was determined by RT-PCR. stained with ARG63209 anti-DAP3 antibody at 1 µg/ml dilution.



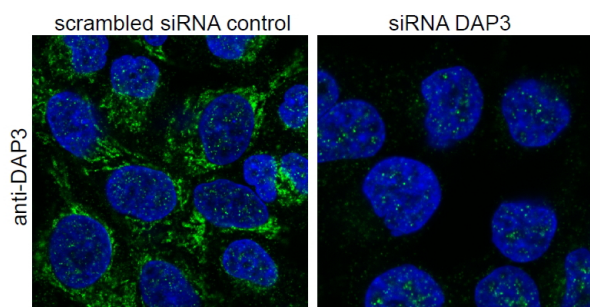
ARG63209 anti-DAP3 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed MCF7 cells permeabilized with 0.15% Triton. Cells were stained with ARG63209 anti-DAP3 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



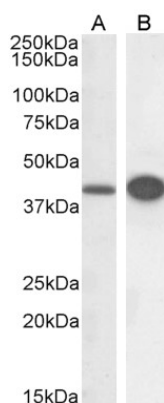
ARG63209 anti-DAP3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63209 anti-DAP3 antibody at 2.5 µg/ml dilution followed by AP-staining.



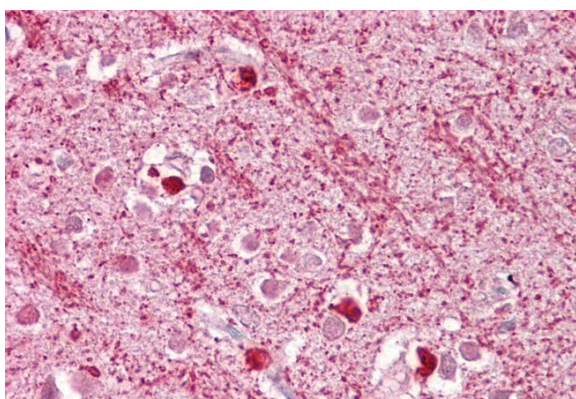
ARG63209 anti-DAP3 antibody ICC/IF image

Immunofluorescence: guanidinium thiocyanate-treated HeLa before (left) and after (right) si-RNA-mediated DAP3 knock-down expression stained with ARG63209 anti-DAP3 antibody (0.5 µg/ml). Primary incubation 1h at ambient temp. Detection by DyLight 488. Nuclear DAPI stain.



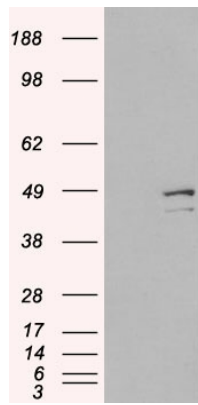
ARG63209 anti-DAP3 antibody WB image

Western blot: 30 µg of HeLa (A) and HepG2 (B) cell lysates (in RIPA buffer) stained with ARG63209 anti-DAP3 antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.



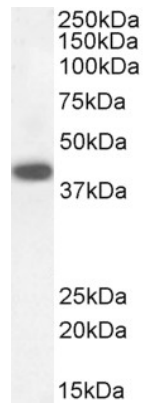
ARG63209 anti-DAP3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cortex tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63209 anti-DAP3 antibody at 2.5 µg/ml dilution followed by AP-staining.



ARG63209 anti-DAP3 antibody WB image

Western Blot: 1). Mock transfection; 2) DAP3 (RC223182) expressing plasmid transfected HEK293 cell lysate stained with ARG63209 anti-DAP3 antibody



ARG63209 anti-DAP3 antibody WB image

Western blot: 30 µg of Human kidney lysate (in RIPA buffer) stained with ARG63209 anti-DAP3 antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.