

DAP3 Rabbit Polyclonal Antibody



CAB2714

Product Information

Size:

50uL, 100uL, 200uL

Observed MW:

46kDa

Calculated MW:

41kDa/45kDa

Applications:

WB IHC

Reactivity:

Human, Mouse

Antibody Information

Recommended dilutions:

WB 1:200 - 1:1000 IHC 1:5 - 1:20

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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.

Immunogen information

Gene ID:

7818

Uniprot

P51398

Synonyms:

DAP3; DAP-3; MRP-S29; MRPS29; bMRP-10; S29mt

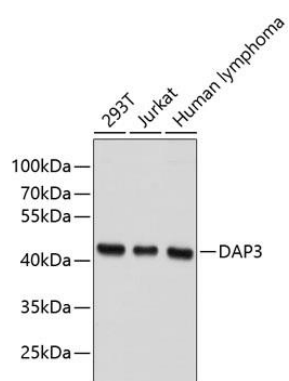
Immunogen:

Recombinant protein of human DAP3

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using DAP3 antibody (CAB2714). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.