

Product datasheet for **TA336576**

DAP5 (EIF4G2) Mouse Monoclonal Antibody [Clone ID: 39C534.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	39C534.1
Applications:	FC, WB
Recommended Dilution:	WB: 1-2 ug/ml, FC: 1 ug per million cells
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The antibody was raised against two synthetic peptides corresponding to amino acids 796-812 of human DAP-5 protein.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	eukaryotic translation initiation factor 4 gamma 2
Database Link:	NP_001409 Entrez Gene 13690 Mouse Entrez Gene 1982 Human P78344



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Background:

Apoptosis, or programmed cell death, occurs during normal cellular differentiation and development of multicellular organisms. Recently, five novel apoptotic genes (named DAP genes for: Death Associated Proteins) have been identified that code for proteins, which display a diverse spectrum of biochemical activities. These include a novel type of calcium/calmodulin-regulated kinase, which carries ankyrin repeats and a death domain (DAP-kinase), a nucleotide-binding protein (DAP-3), a small proline-rich cytoplasmic protein (DAP-1), and a novel homolog of the eIF4G translation initiation factor (DAP-5). DAP-5 (also named p97 and NAT1) is a ubiquitously expressed member of the translation initiation factor eIF4G family that lacks the eIF4E binding site. DAP-5 was cloned from HeLa cells using a functional approach in attempt to isolate cDNA fragments, which convey resistance to gamma interferon (IFN-g)-induced programmed cell death (3). A fragment of the cDNA when expressed as a mini-protein of 28 kDa protects the cell from IFN-g induced apoptosis. The full-length DAP-5 cDNA codes for a protein of approximate molecular weight of 97 kDa. Low level of expression protects the cells, whereas high level of expression results in cell death.

Synonyms:

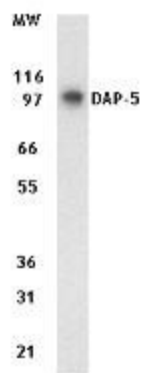
AAG1; DAP5; NAT1; P97

Protein Families:

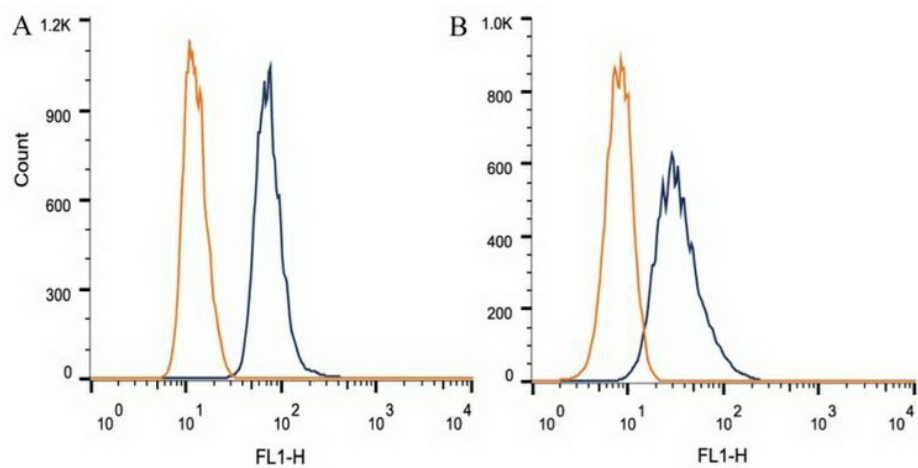
Transcription Factors

Protein Pathways:

Viral myocarditis

Product images:

Western Blot: DAP5 Antibody (39C534.1)
TA336576 - Analysis of TA336576 (1ug) on 15 ug
of total cell lysate from Jurkat cells.



Flow Cytometry: DAP5 Antibody (39C534.1)
TA336576 - Intracellular flow cytometric staining
of 1×10^6 CHO (A) and HEK-293 (B) cells using
antibody (dark blue). Isotype control shown in
orange. An antibody concentration of 1
 $\mu\text{g}/1 \times 10^6$ cells was used.