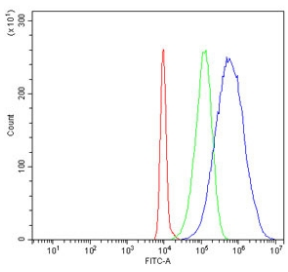
HSP75 Antibody / TRAP-1 (RQ6811)

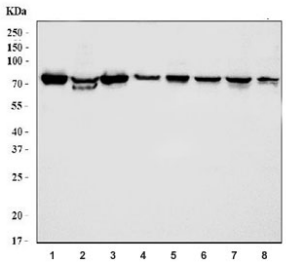
Catalog No.	Formulation	Size
RQ6811	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q12931
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This HSP75 antibody is available for research use only.



Flow cytometry testing of human HL60 cells with HSP75 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HSP75 antibody.



Western blot testing of 1) human K562, 2) human HL60, 3) human 293T, 4) human U-87 MG, 5) rat heart, 6) rat brain, 7) mouse heart and 8) mouse brain tissue lysate with HSP75 antibody. Expected molecular weight: 75-80 kDa.

Description

Heat shock protein 75 kDa, mitochondrial is a protein that in humans is encoded by the TRAP1 gene. It is mapped to 16p13.3. This gene encodes a mitochondrial chaperone protein that is member of the heat shock protein 90 (HSP90) family. The encoded protein has ATPase activity and interacts with tumor necrosis factor type I. And this protein may function in regulating cellular stress responses. In addition, it was found that TRAP1 interacted with the N-terminal half of TNFR1. Also, TRAP1 interacted with the C-terminal ends of the proteins encoded by both multiple exostoses-causing genes, EXT1 and EXT2, but not with EXTL1 or EXTL3.

Application Notes

Optimal dilution of the HSP75 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids A618-H704) was used as the immunogen for the HSP75 antibody.

Storage

After reconstitution, the HSP75 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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