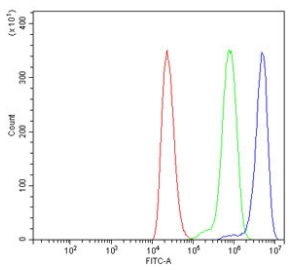
Spartin Antibody / SPART (RQ6684)

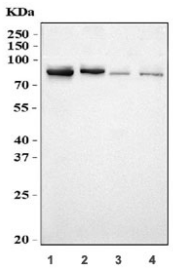
Catalog No.	Formulation	Size
RQ6684	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, 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	Q8N0X7
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Spartin antibody is available for research use only.



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



Western blot testing of 1) human HEK293, 2) human HeLa, 3) rat brain and 4) rat C6 cell lysate with Spartin antibody. Predicted molecular weight ~73 kDa.

Description

Spartin is a protein that in humans is encoded by the SPART gene. This gene encodes a protein containing a MIT (Microtubule Interacting and Trafficking molecule) domain, and is implicated in regulating endosomal trafficking and mitochondria function. The protein localizes to mitochondria and partially co-localizes with microtubules. Stimulation with epidermal growth factor (EGF) results in protein translocation to the plasma membrane, and the protein functions in the degradation and intracellular trafficking of EGF receptor. Multiple alternatively spliced variants, encoding the same protein, have been identified. Mutations associated with this gene cause autosomal recessive spastic paraplegia 20 (Troyer syndrome).

Application Notes

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

Immunogen

Recombinant human protein (amino acids H205-V631) was used as the immunogen for the Spartin antibody.

Storage

After reconstitution, the Spartin 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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