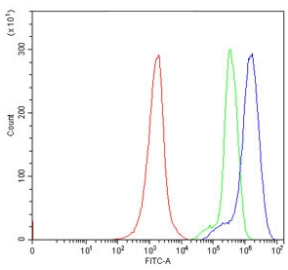
IRE2 Antibody / ERN2 (RQ6864)

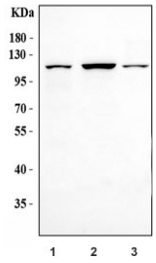
Catalog No.	Formulation	Size
RQ6864	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
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	Q76MJ5
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This IRE2 antibody is available for research use only.



Flow cytometry testing of human Jurkat cells with IRE2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IRE2 antibody.



Western blot testing of human 1) 293T, 2) HCCT and 3) HepG2 cell lysate with IRE2 antibody. Predicted molecular weight ~102 kDa.

Description

IRE2/ERN2 induces translational repression through 28S ribosomal RNA cleavage in response to endoplasmic reticulum (ER) stress. This pro-apoptotic appears to play no role in the unfolded-protein response, unlike closely related proteins. Overexpression of IRE2/ERN2 activates both BiP and CHOP expression, and also leads to the development of programmed cell death. It has been suggested that Ern2 plays a role in multiple facets of the ER stress response in mammalian cells.

Application Notes

Optimal dilution of the IRE2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids K517-P919) was used as the immunogen for the IRE2 antibody.

Storage

After reconstitution, the IRE2 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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