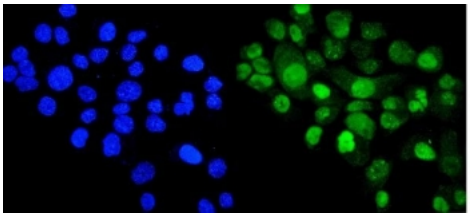
Cyclophilin E Antibody (RQ6110)

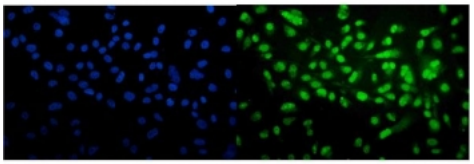
Catalog No.	Formulation	Size
RQ6110	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

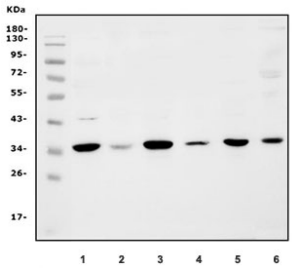
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9UNP9
Localization	Nuclear
Applications	Western blot: 1-2ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml Immunoprecipitation: 2ug per 500ug of lysate
Limitations	This Cyclophilin E antibody is available for research use only.



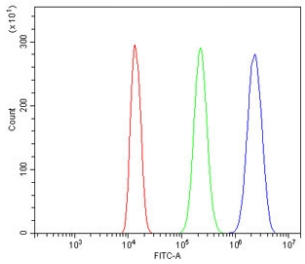
Immunofluorescent staining of FFPE human A431 cells with Cyclophilin E antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



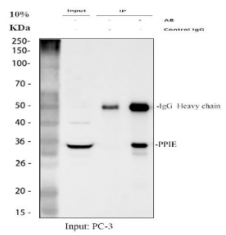
Immunofluorescent staining of FFPE human PC-3 cells with Cyclophilin E antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HEK293, 2) HeLa, 3) K562, 4) PC-3, 5) Caco-2 and 6) mouse HEPA1-6 lysate with Cyclophilin E antibody. Predicted molecular weight ~33 kDa.



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



Immunoprecipitation of Cyclophilin E protein from 500ug of human PC-3 whole cell lysate with 2ug of Cyclophilin E antibody.

Description

Peptidylprolyl isomerase E (cyclophilin E), also known as PPIE, is an enzyme which in humans is encoded by the PPIE gene on chromosome 1. The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein contains a highly conserved cyclophilin (CYP) domain as well as an RNA-binding domain. It was shown to possess PPIase and protein folding activities, and it also exhibits RNA-binding activity. Alternative splicing results in multiple transcript variants. A related pseudogene, which is also located on chromosome 1, has been identified.

Application Notes

Optimal dilution of the Cyclophilin E antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids M1-V301) was used as the immunogen for the Cyclophilin E antibody.

Storage

After reconstitution, the Cyclophilin E 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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