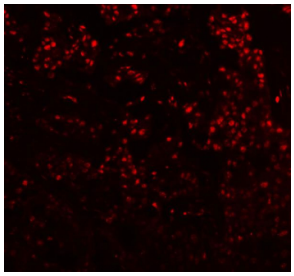
DIS3 Antibody / RRP44 (RQ4644)

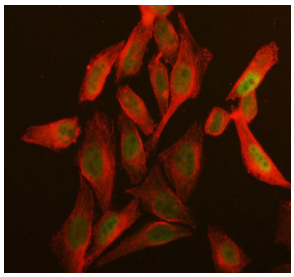
Catalog No.	Formulation	Size
RQ4644	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

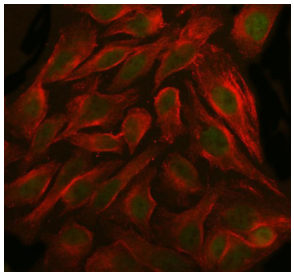
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Y2L1
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunoprecipitation: 2ug/500ug of lysate Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml (human recombinant protein)
Limitations	This DIS3 antibody is available for research use only.



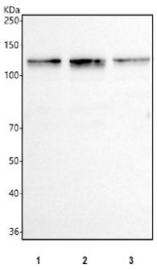
Immunofluorescent staining of FFPE human breast cancer tissue with DIS3 antibody (red). HIER: steam section in pH8 EDTA buffer for 20 min.



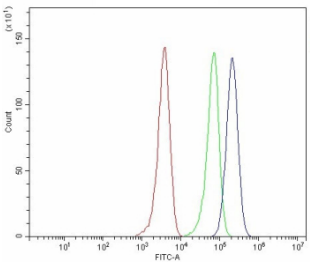
Immunofluorescent staining of FFPE human HeLa cells with DIS3 antibody (green) and Beta Tubulin mAb (red). HIER: steam section in pH6 citrate buffer for 20 min.



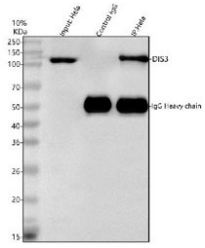
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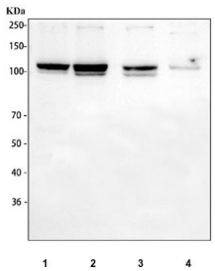
Western blot testing of human 1) HeLa, 2) Raji and 3) MCF7 cell lysate with DIS3 antibody at 0.5ug/ml. Predicted molecular weight ~109 kDa.



Flow cytometry testing of fixed and permeabilized human MCF7 cells with DIS3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= DIS3 antibody.



Immunoprecipitation of DIS3 protein from 500ug of human HeLa whole cell lysate with 2ug of DIS3 antibody.



Western blot testing of 1) human HeLa, 2) human Raji and 3) human MCF7 and 4) rat testis tissue lysate with DIS3 antibody at 0.5ug/ml. Predicted molecular weight ~109 kDa.

Description

Exosome complex exonuclease RRP44, or Dis3, is an enzyme that in humans is encoded by the DIS3 gene. Its protein product is an RNase enzyme homologous to the yeast protein Rrp44, and can be part of the exosome complex in the nucleus of eukaryotic cells. By genomic sequence analysis, this gene is mapped to chromosome 13q21-q22. Expression of human DIS3 could partially complement Dis3 depletion in yeast.

Application Notes

Optimal dilution of the DIS3 antibody should be determined by the researcher.

Immunogen

Amino acids Q62-A304 from the human protein were used as the immunogen for the DIS3 antibody.

Storage

After reconstitution, the DIS3 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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