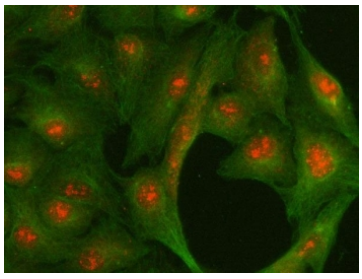
CENP-R Antibody / Centromere protein R / ITGB3BP (RQ8767)

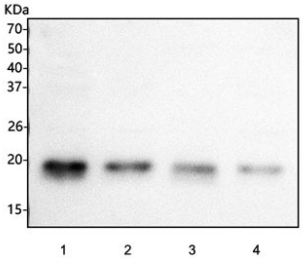
Catalog No.	Formulation	Size
RQ8767	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13352
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 5ug/ml ELISA : 0.1-0.5ug/ml
Limitations	This CENP-R antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with CENP-R antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) 293T, 2) K562, 3) A431 and 4) HeLa cell lysate with CENP-R antibody. Predicted molecular weight ~20 kDa.

Description

Centromere protein R is a protein that in humans is encoded by the ITGB3BP gene. This gene encodes a transcriptional coregulator that binds to and enhances the activity of members of the nuclear receptor families, thyroid hormone receptors and retinoid X receptors. This protein also acts as a corepressor of NF-kappaB-dependent signaling. This protein induces apoptosis in breast cancer cells through a caspase 2-mediated signaling pathway. This protein is also a component of the centromere-specific histone H3 variant nucleosome associated complex (CENP-NAC) and may be involved in mitotic progression by recruiting the histone H3 variant CENP-A to the centromere. Alternate splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the CENP-R antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids M1-N177) was used as the immunogen for the CENP-R antibody.

Storage

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