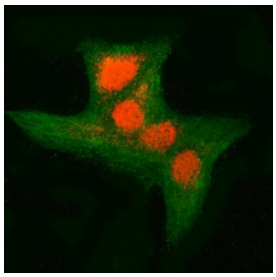
RNF34 Antibody / hRFI / CARP-1 (RQ7835)

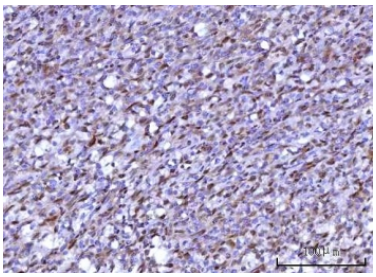
Catalog No.	Formulation	Size
RQ7835	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

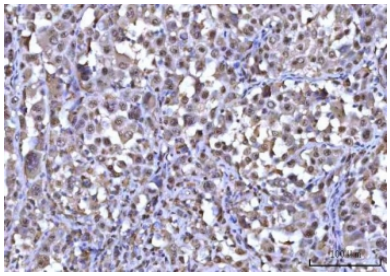
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q969K3
Localization	Cytoplasmic, nuclear, cell membrane
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This RNF34 antibody is available for research use only.



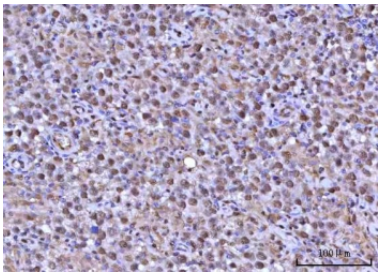
Immunofluorescent staining of FFPE human A549 cells with RNF34 antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



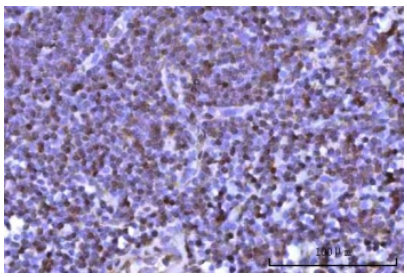
IHC staining of FFPE human diffuse large B cell lymphoma tissue with RNF34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



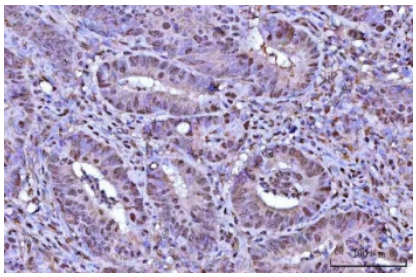
IHC staining of FFPE human lung adenocarcinoma tissue with RNF34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



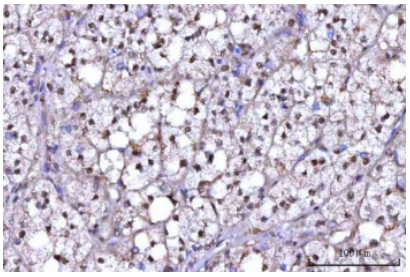
IHC staining of FFPE human testicular seminoma tissue with RNF34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



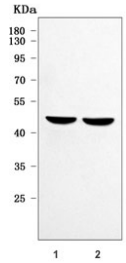
IHC staining of FFPE human tonsil tissue with RNF34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



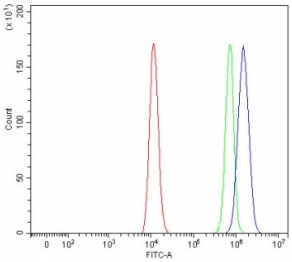
IHC staining of FFPE human rectum adenocarcinoma tissue with RNF34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



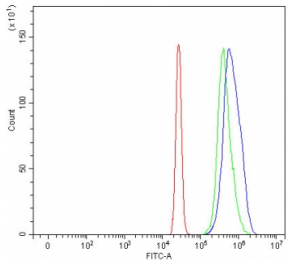
IHC staining of FFPE human adrenocortical adenoma tissue with RNF34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) 293T and 2) HeLa cell lysate with RNF34 antibody. Predicted molecular weight ~42 kDa.



Flow cytometry testing of human HEL cells with RNF34 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RNF34 antibody.



Flow cytometry testing of human HL-60 cells with RNF34 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RNF34 antibody.

Description

E3 ubiquitin-protein ligase RNF34, also called Human RING finger homologous to inhibitor of apoptosis protein (hRFI) and Caspases-8 and -10-associated RING finger protein 1 (CARP-1) is an enzyme that in humans is encoded by the RNF34 gene. The protein encoded by this gene contains a RINF finger, a motif known to be involved in protein-protein and protein-DNA interactions. This protein interacts with DNAJA3/hTid-1, which is a DnaJ protein reported to function as a modulator of apoptosis. Overexpression of this gene in Hela cells was shown to confer the resistance to TNF-alpha induced apoptosis, suggesting an anti-apoptotic function of this protein. This protein can be cleaved by caspase-3 during the induction of apoptosis. This protein also targets p53 and phospho-p53 for degradation. Alternatively splicing results in multiple transcript variants encoding distinct isoforms.

Application Notes

Optimal dilution of the RNF34 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids E46-S372) was used as the immunogen for the RNF34 antibody.

Storage

After reconstitution, the RNF34 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.