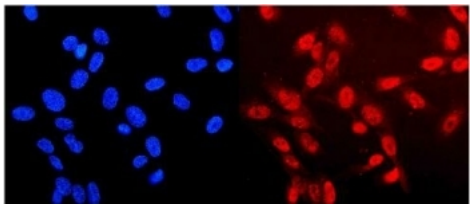
Neurofibromin Antibody / NF1 (RQ5649)

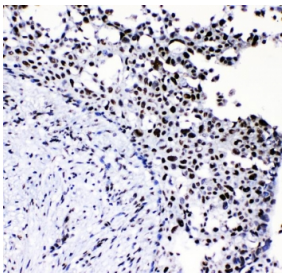
Catalog No.	Formulation	Size
RQ5649	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

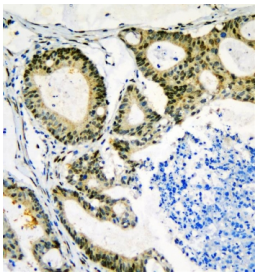
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P21359
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry: 1-2ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Neurofibromin antibody is available for research use only.



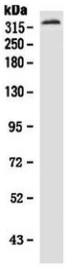
Immunofluorescent staining of FFPE human U-2 OS cells with Neurofibromin antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



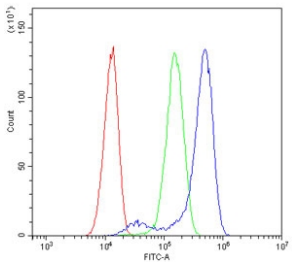
IHC staining of FFPE human breast cancer with Neurofibromin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



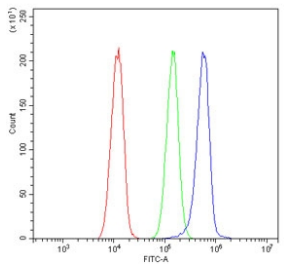
IHC staining of FFPE human rectal cancer with Neurofibromin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



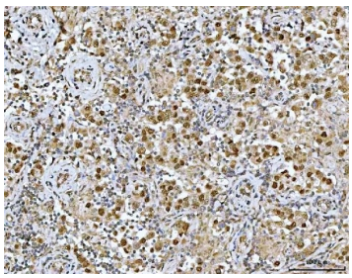
Western blot testing of human HeLa cell lysate with Neurofibromin antibody. Predicted molecular weight ~319 kDa.



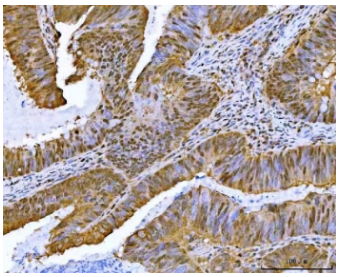
Flow cytometry testing of human HeLa cells with Neurofibromin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Neurofibromin antibody.



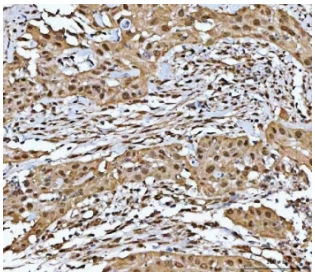
Flow cytometry testing of human A549 cells with Neurofibromin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Neurofibromin antibody.



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



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



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

Description

Neurofibromin 1 (NF1) is a gene in humans that is located on chromosome 17. This gene product appears to function as a negative regulator of the ras signal transduction pathway. Mutations in this gene have been linked to neurofibromatosis type 1, juvenile myelomonocytic leukemia and Watson syndrome. The mRNA for this gene is subject to RNA editing (CGA>UGA->Arg1306Term) resulting in premature translation termination. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene.

Application Notes

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

Immunogen

Recombinant human protein (amino acids R160-Q270) was used as the immunogen for the Neurofibromin antibody.

Storage

After reconstitution, the Neurofibromin 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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