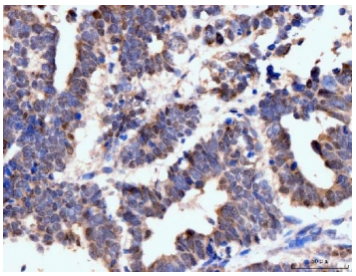
Neurofibromin Antibody / NF1 [clone 4C6F10] (RQ6749)

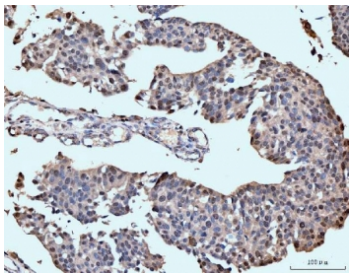
Catalog No.	Formulation	Size
RQ6749	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

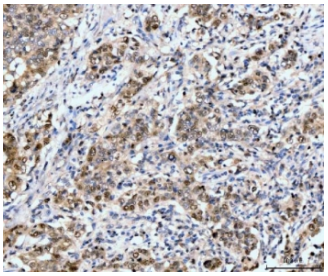
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	4C6F10
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P21359
Localization	Nuclear, cytoplasmic
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This Neurofibromin antibody is available for research use only.



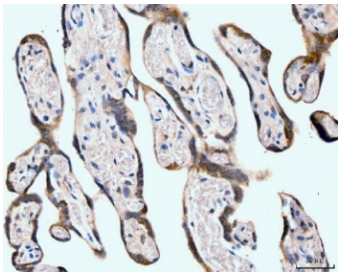
IHC staining of FFPE human ovarian cancer tissue with Neurofibromin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



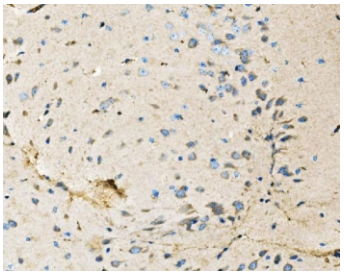
IHC staining of FFPE human bladder epithelial carcinoma tissue with Neurofibromin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



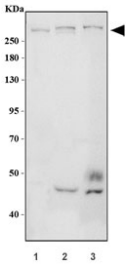
IHC staining of FFPE metaplasia of squamous cells of the renal pelvis tissue with Neurofibromin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



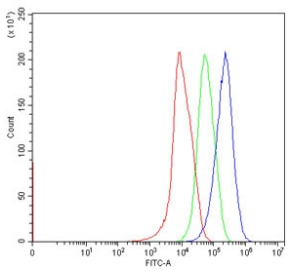
IHC staining of FFPE human placental tissue with Neurofibromin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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



Western blot testing of 1) human HeLa, 2) rat brain and 3) mouse brain tissue lysate with Neurofibromin antibody. Predicted molecular weight ~319 kDa.



Flow cytometry testing of human HepG2 cells with Neurofibromin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Neurofibromin antibody.

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.

Copyright © NSJ Bioreagents. All rights reserved.